

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131361.D
 Acq On : 23 Nov 2022 14:00
 Operator : CG\JU
 Sample : N5641-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131361.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.257	22	29	40	rVB	658931	855348	42.90%	4.071%
2	5.181	521	526	536	rVB	266117	297400	14.91%	1.416%
3	5.569	587	592	595	rBV	1926409	1823119	91.43%	8.678%
4	6.575	758	763	766	rBV	1805166	1839121	92.23%	8.754%
5	6.963	825	829	832	rBV	721799	540983	27.13%	2.575%
6	7.528	920	925	928	rBV	1367398	1169908	58.67%	5.569%
7	8.251	1044	1048	1052	rBV	827450	671208	33.66%	3.195%
8	9.333	1228	1232	1235	rBV	2561468	1993990	100.00%	9.491%
9	10.016	1344	1348	1352	rBV	916862	720563	36.14%	3.430%
10	10.733	1466	1470	1473	rBV	226438	174049	8.73%	0.828%
11	10.810	1478	1483	1486	rBV	1219600	1144077	57.38%	5.446%
12	11.516	1599	1603	1606	rBV	706281	640425	32.12%	3.048%
13	12.033	1683	1691	1700	rBV2	114067	133017	6.67%	0.633%
14	12.821	1822	1825	1829	rBV2	33911	33671	1.69%	0.160%
15	13.110	1870	1874	1877	rBV	1516273	1359453	68.18%	6.471%
16	13.492	1937	1939	1942	rBV2	25875	28048	1.41%	0.134%
17	13.680	1962	1971	1974	rBV8	18785	50585	2.54%	0.241%
18	13.804	1989	1992	1994	rVB	42383	34057	1.71%	0.162%
19	13.868	2000	2003	2007	rBV	65399	67662	3.39%	0.322%
20	13.904	2007	2009	2011	rVV	46338	35175	1.76%	0.167%
21	13.927	2011	2013	2015	rVB	50122	34191	1.71%	0.163%
22	13.986	2020	2023	2026	rBV	57848	76867	3.85%	0.366%
23	14.021	2026	2029	2032	rBV2	72186	83200	4.17%	0.396%
24	14.168	2051	2054	2064	rVB	521416	516968	25.93%	2.461%
25	14.251	2065	2068	2070	rBV	69927	53632	2.69%	0.255%
26	14.310	2075	2078	2080	rBV3	27840	33218	1.67%	0.158%
27	14.339	2080	2083	2085	rVB3	31143	39477	1.98%	0.188%
28	14.363	2085	2087	2089	rVB	35587	24441	1.23%	0.116%
29	14.404	2092	2094	2097	rVB	53009	46963	2.36%	0.224%
30	14.457	2100	2103	2105	rBV	53817	56786	2.85%	0.270%
31	14.486	2105	2108	2111	rVB	27031	28811	1.44%	0.137%
32	14.521	2111	2114	2116	rBV3	39272	45913	2.30%	0.219%
33	14.545	2116	2118	2121	rBV3	49968	49802	2.50%	0.237%
34	14.574	2121	2123	2125	rBV3	30405	31200	1.56%	0.149%
35	14.651	2132	2136	2138	rBV4	33353	41809	2.10%	0.199%
36	14.680	2138	2141	2145	rVV	160245	194871	9.77%	0.928%

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37	14.715	2145	2147	2149	rVB2	53050	43511	2.18%	0.207%
38	14.739	2149	2151	2153	rBV	31073	25686	1.29%	0.122%
39	14.780	2153	2158	2163	rBV	249244	406838	20.40%	1.937%
40	14.868	2169	2173	2177	rBV	312640	441545	22.14%	2.102%
41	14.910	2177	2180	2184	rVV	351578	414091	20.77%	1.971%
42	14.968	2184	2190	2194	rVV	491667	744622	37.34%	3.544%
43	15.015	2195	2198	2203	rVV2	285499	417009	20.91%	1.985%
44	15.068	2203	2207	2211	rVV	412963	654879	32.84%	3.117%
45	15.110	2211	2214	2218	rVV	374545	458031	22.97%	2.180%
46	15.174	2218	2225	2228	rVV	437483	634390	31.82%	3.020%
47	15.215	2228	2232	2236	rVV	372001	409864	20.55%	1.951%
48	15.274	2239	2242	2246	rVV	298990	327020	16.40%	1.557%
49	15.321	2246	2250	2256	rVB	149960	188838	9.47%	0.899%
50	15.380	2257	2260	2264	rVB	84968	93526	4.69%	0.445%
51	15.580	2291	2294	2299	rVB2	30662	41867	2.10%	0.199%
52	15.639	2300	2304	2312	rVB4	33549	57573	2.89%	0.274%
53	15.715	2312	2317	2321	rBV	403983	506345	25.39%	2.410%
54	16.098	2379	2382	2389	rVB3	23132	39843	2.00%	0.190%
55	16.174	2391	2395	2400	rVB6	22179	36145	1.81%	0.172%
56	16.227	2400	2404	2411	rBV5	28921	62551	3.14%	0.298%
57	16.780	2496	2498	2506	rVB6	19970	34073	1.71%	0.162%

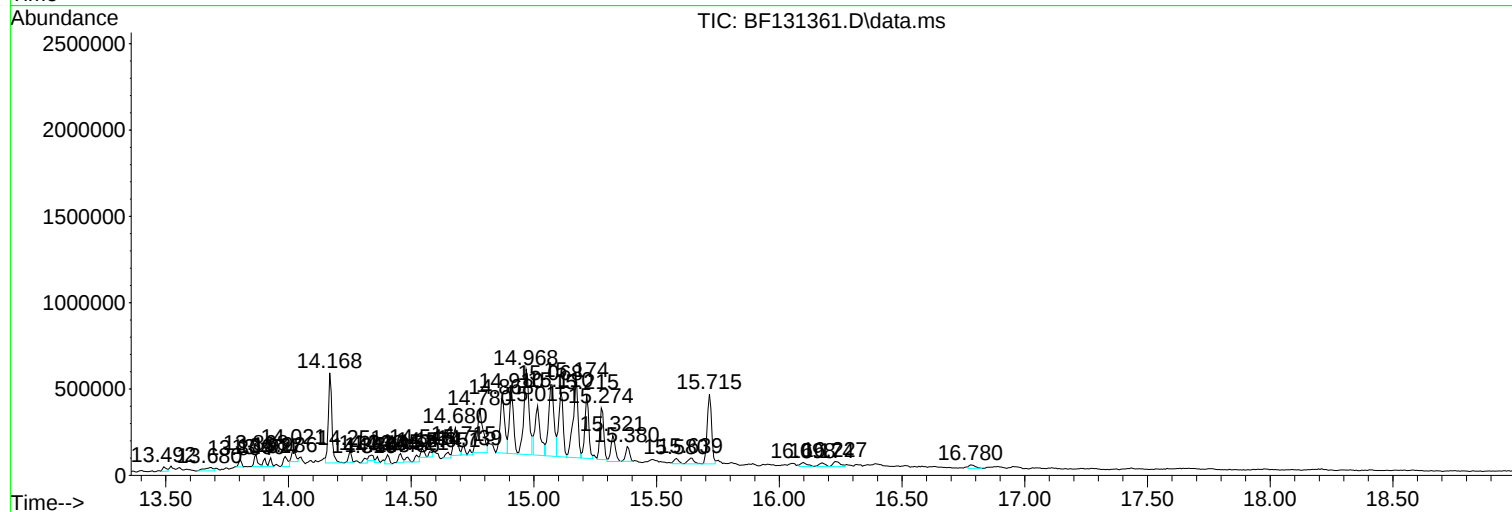
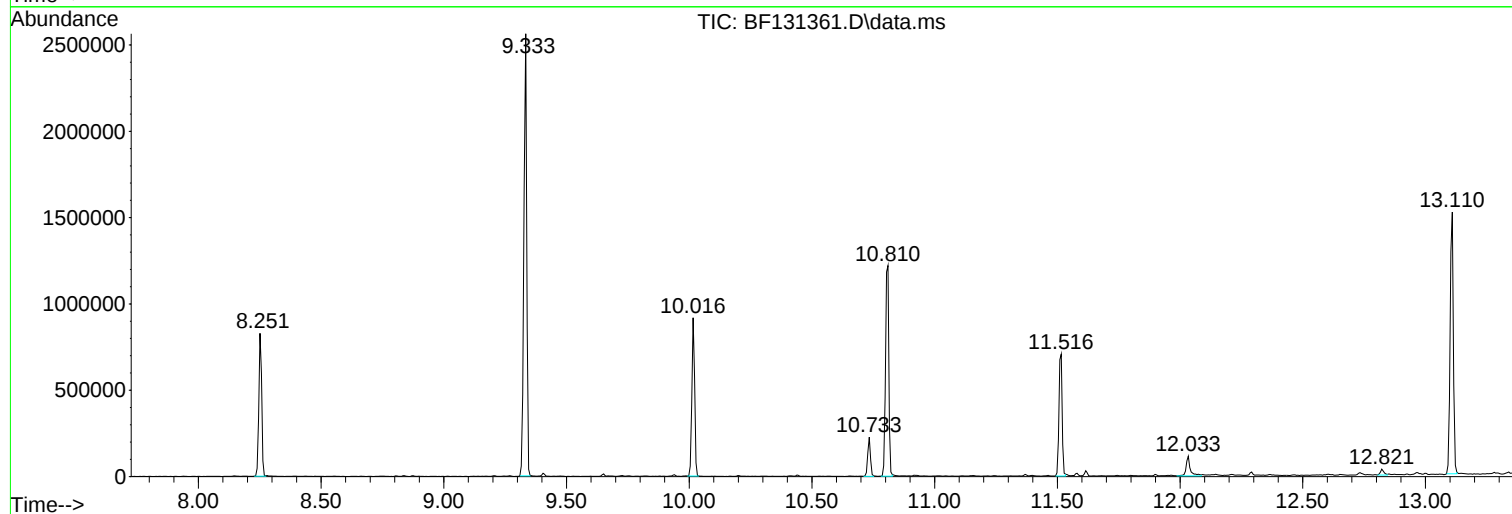
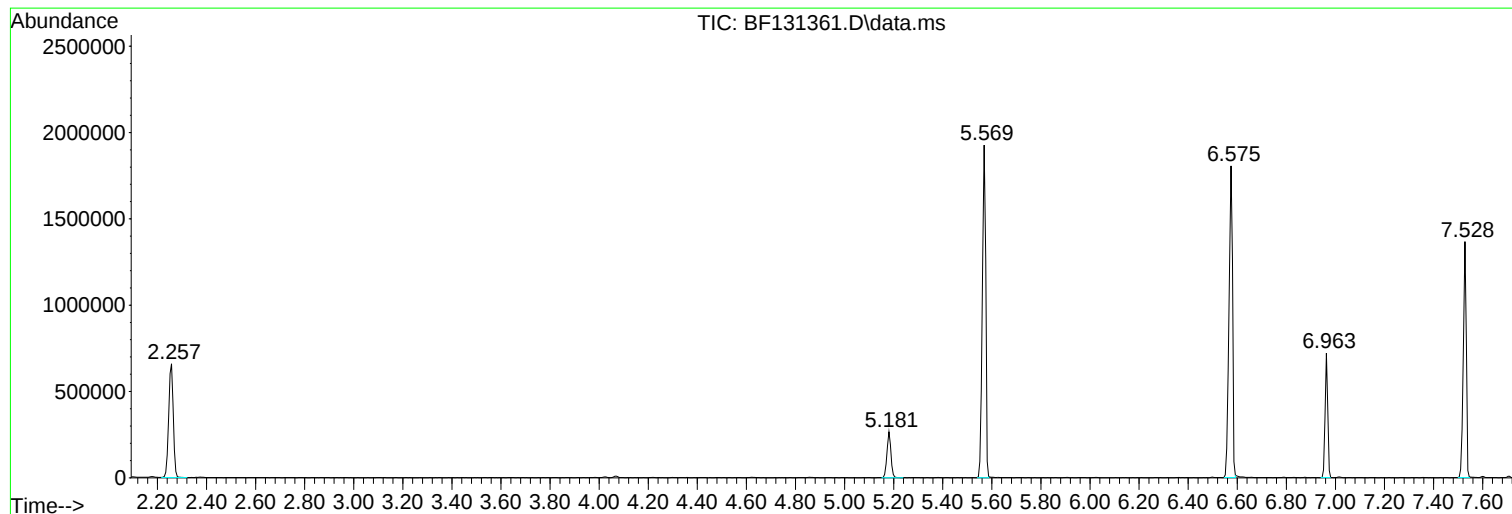
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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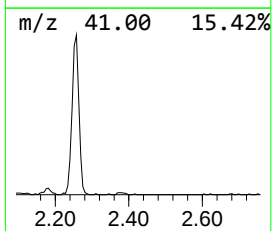
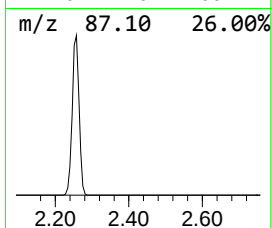
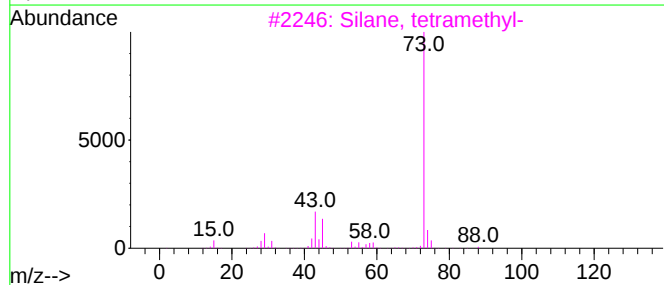
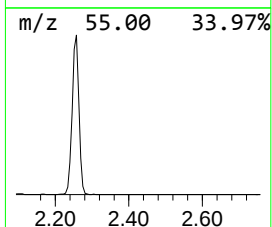
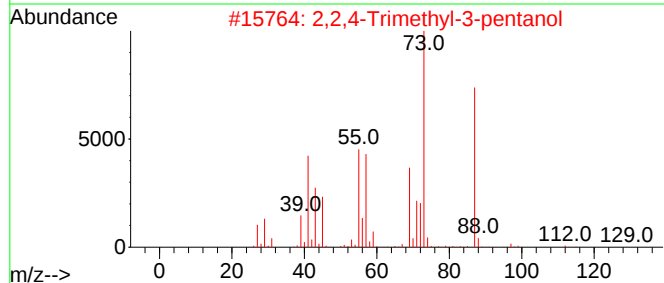
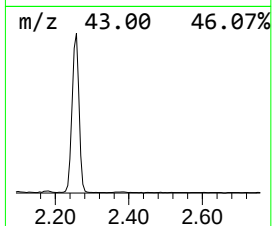
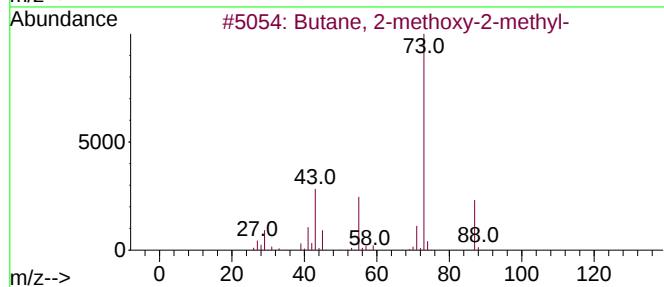
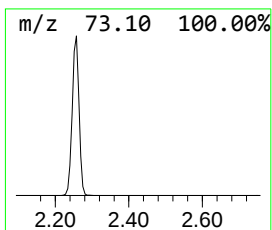
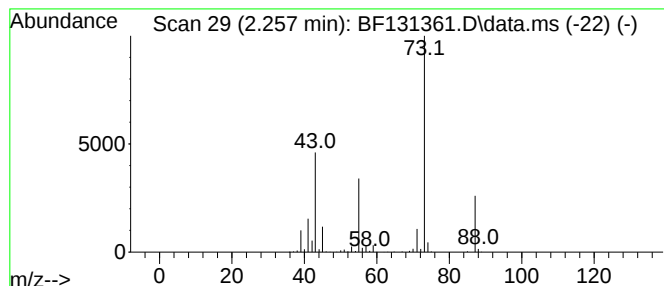
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.257	31.62 ng	855348	1,4-Dichlorobenzene-d4	6.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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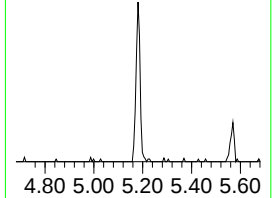
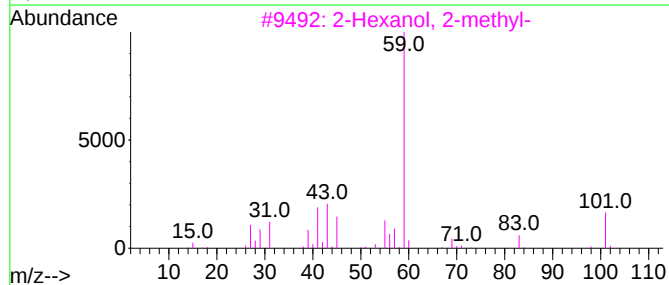
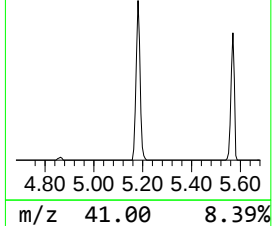
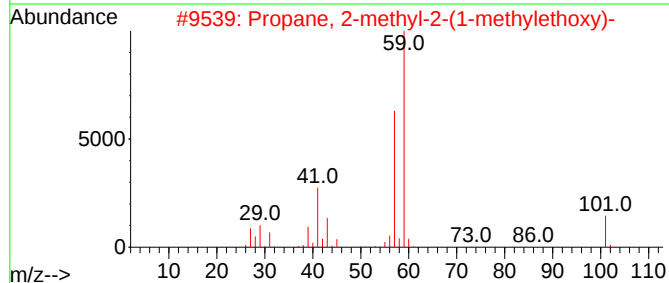
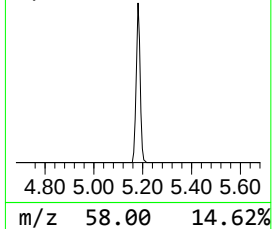
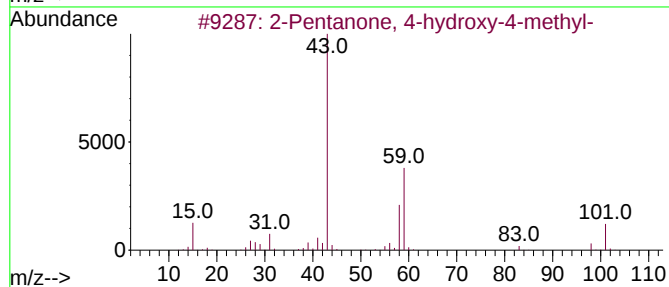
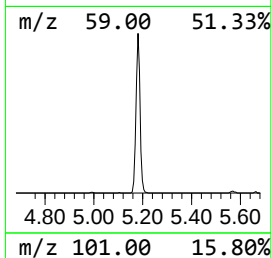
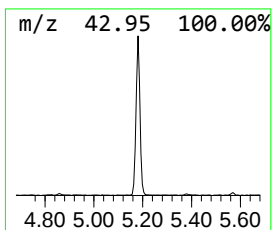
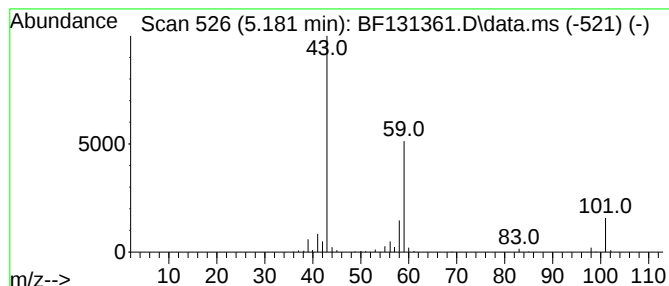
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.181	10.99 ng	297400	1,4-Dichlorobenzene-d4	6.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



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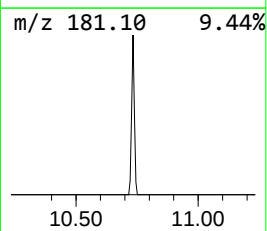
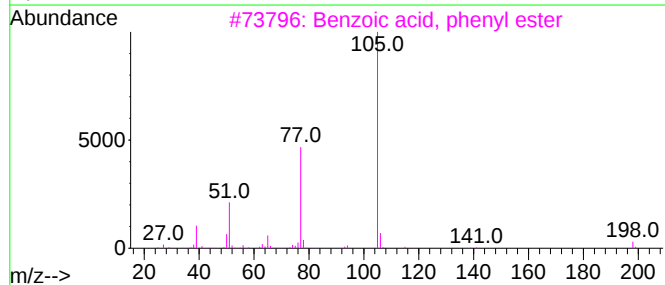
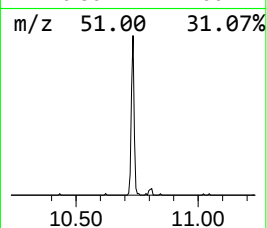
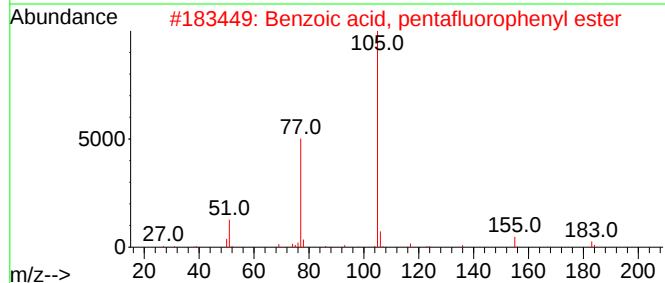
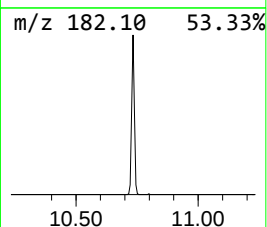
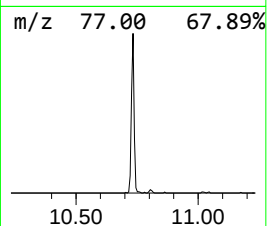
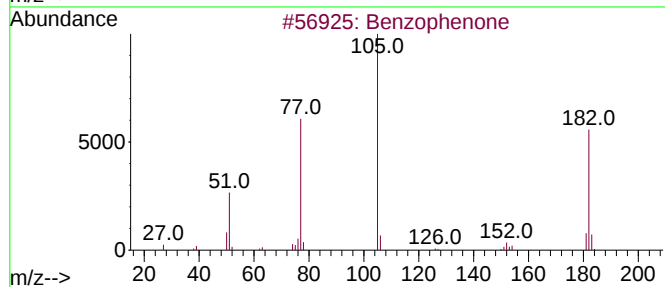
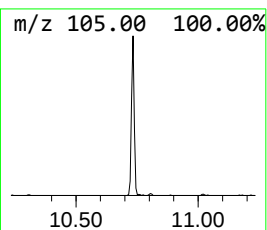
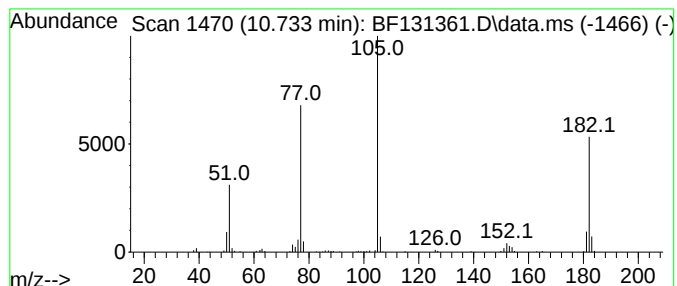
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.733	4.83 ng	174049	Acenaphthene-d10	10.016

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzoic acid, pentafluorophenyl ...	288	C13H5F5O2	1000360-67-9	50
3			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
4			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47



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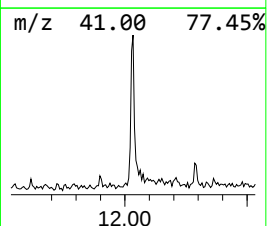
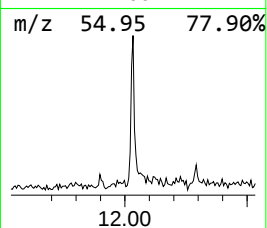
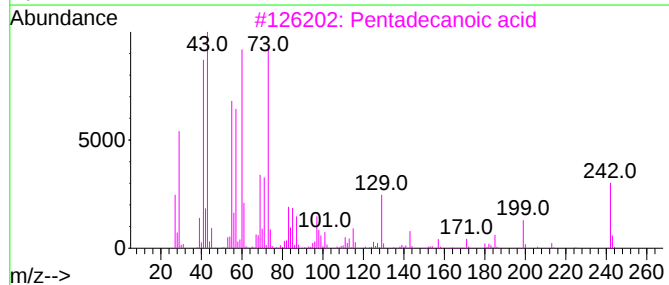
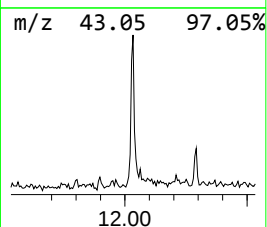
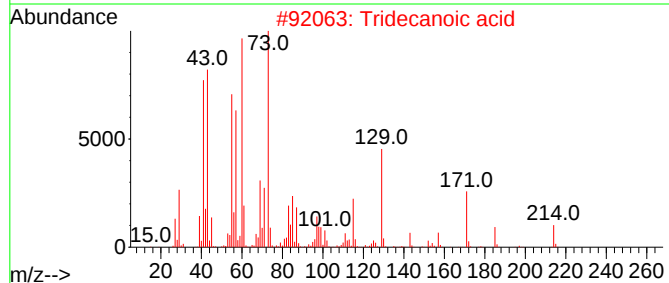
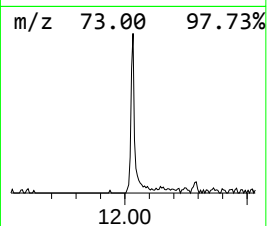
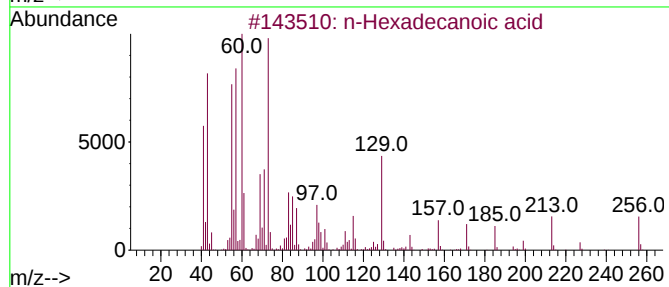
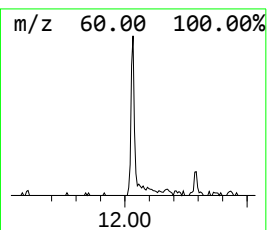
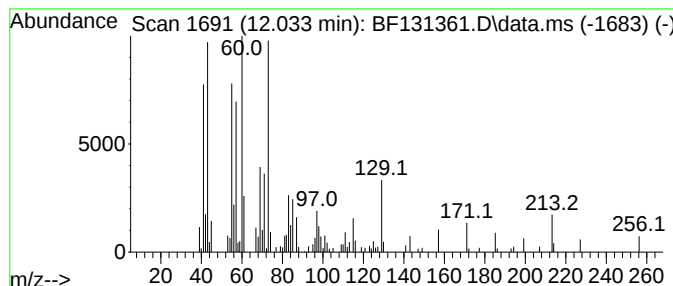
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	4.15 ng	133017	Phenanthrene-d10	11.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5			Dodecanoic acid	200	C12H24O2	000143-07-7	64



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SOIL-PILE-1

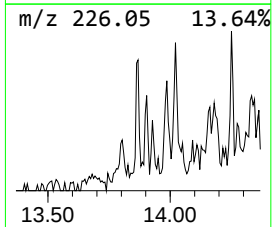
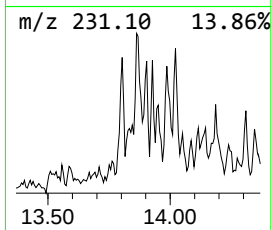
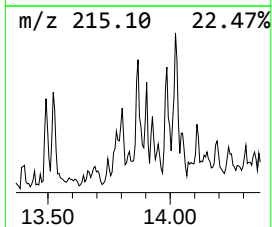
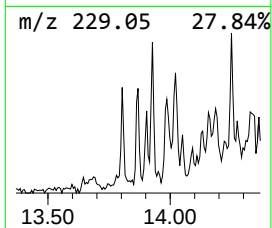
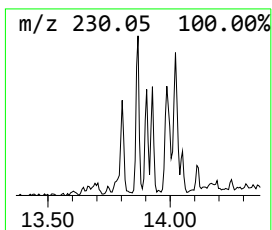
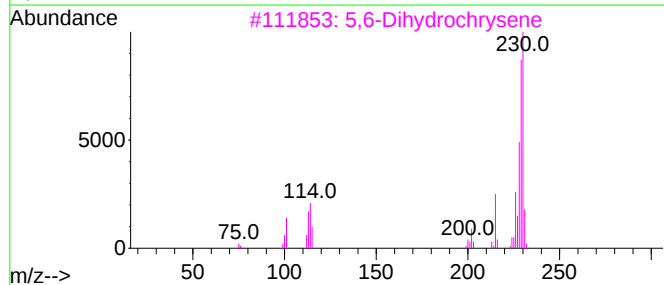
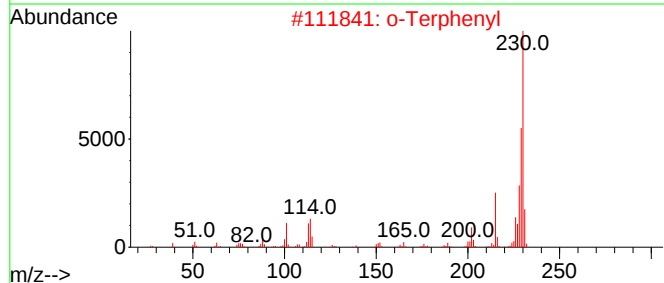
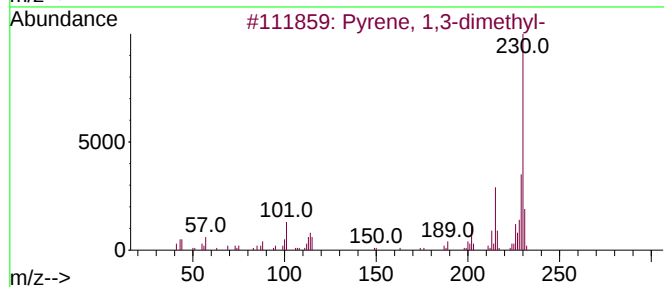
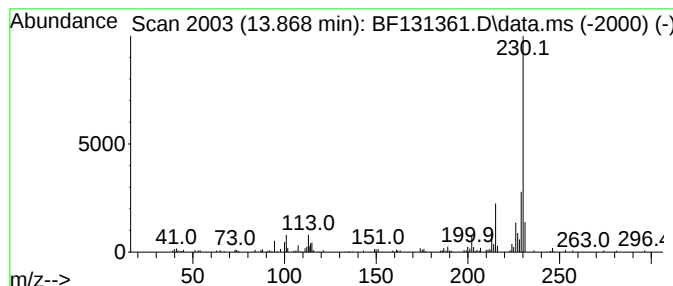
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Pyrene, 1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	2.62 ng	67662	Chrysene-d12	14.168

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	93
2			o-Terphenyl	230	C18H14	000084-15-1	70
3			5,6-Dihydrochrysene	230	C18H14	002091-92-1	58
4			2,2'-Bi-1H-indene	230	C18H14	000787-61-1	52
5			4-Cyclopropyl-N-(4-methylphenyl)...	230	C13H14N2S	1000461-00-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

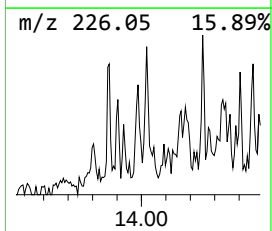
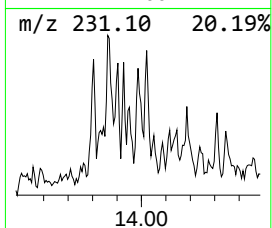
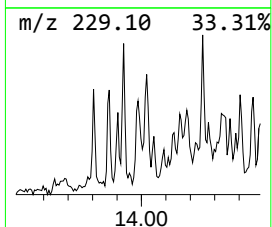
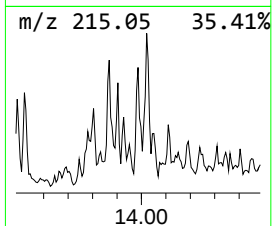
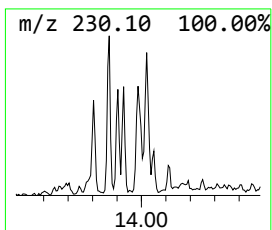
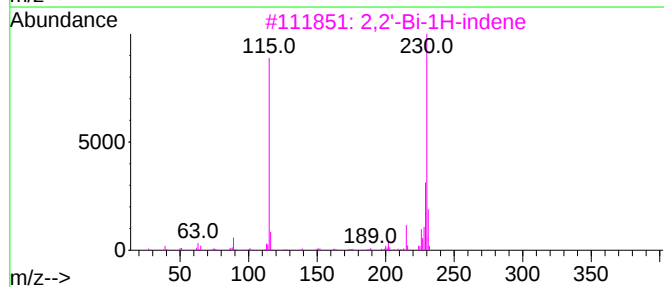
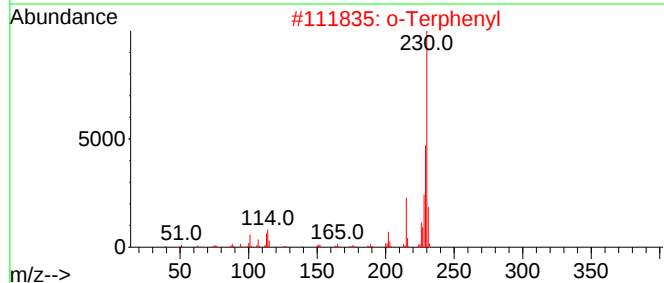
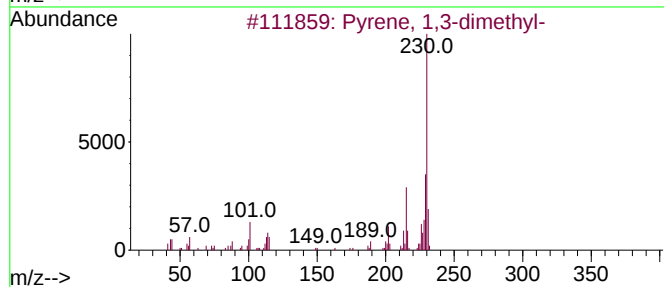
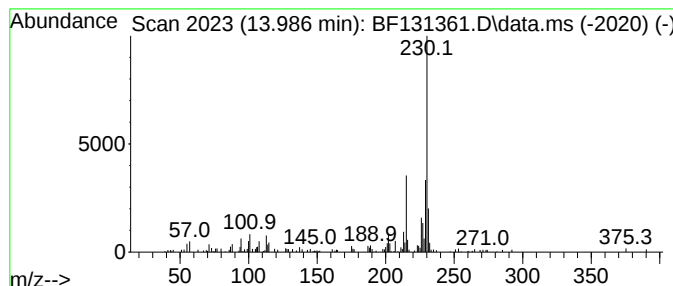
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 o-Terphenyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.986	2.97 ng	76867	Chrysene-d12		14.168	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-		230	C18H14	064401-21-4	87
2	o-Terphenyl		230	C18H14	000084-15-1	68
3	2,2'-Bi-1H-indene		230	C18H14	000787-61-1	64
4	6,6-Diphenylfulvene		230	C18H14	002175-90-8	64
5	m-Terphenyl		230	C18H14	000092-06-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

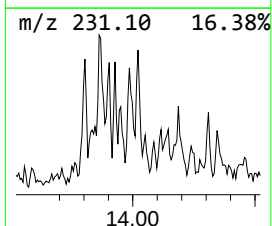
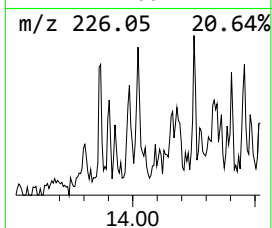
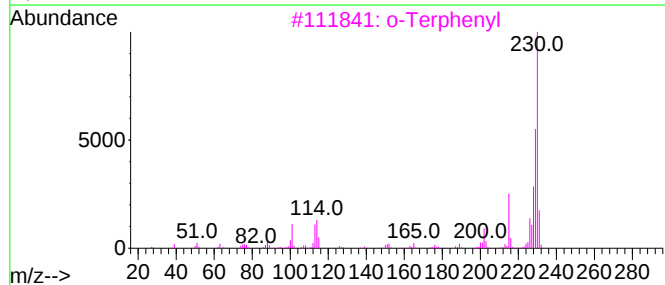
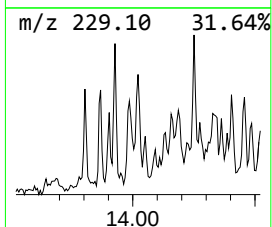
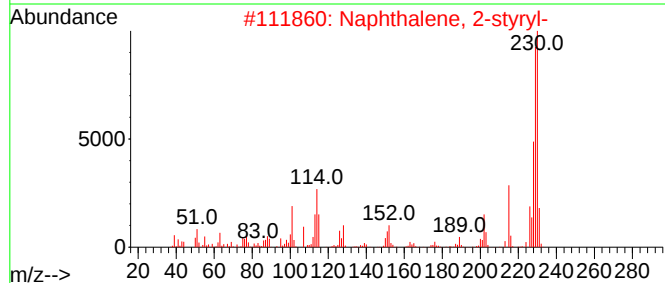
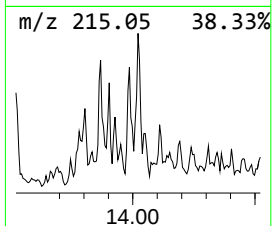
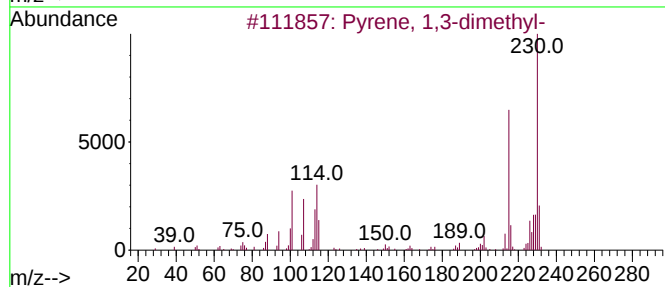
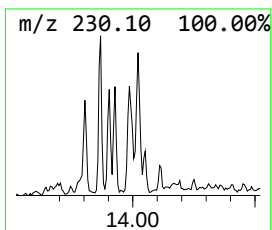
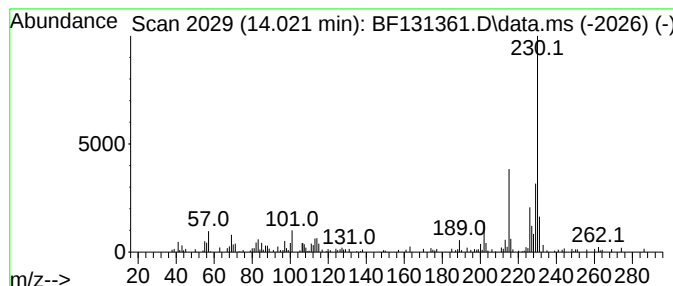
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 2-styryl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.021	3.22 ng	83200	Chrysene-d12	14.168

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	81
2			Naphthalene, 2-styryl-	230	C18H14	002039-70-5	76
3			o-Terphenyl	230	C18H14	000084-15-1	70
4			6,6-Diphenylfulvene	230	C18H14	002175-90-8	62
5			2,2'-Bi-1H-indene	230	C18H14	000787-61-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

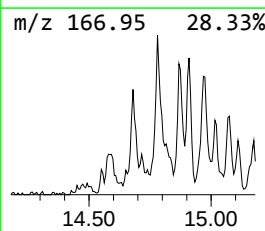
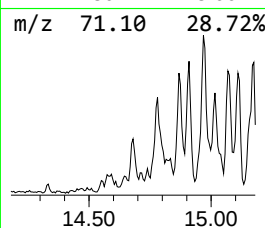
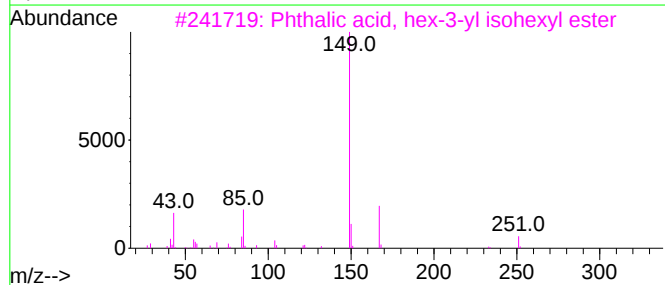
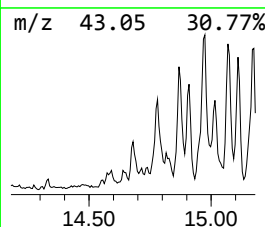
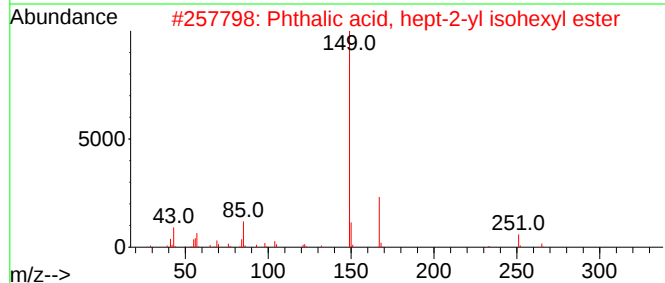
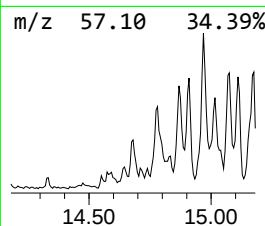
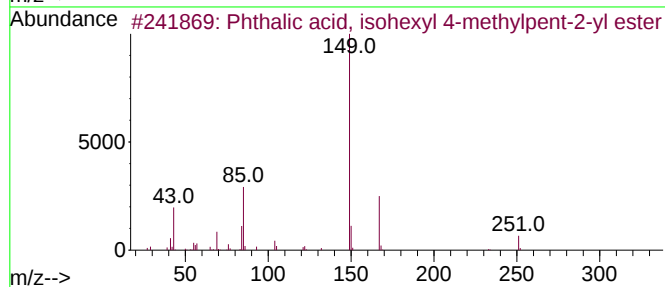
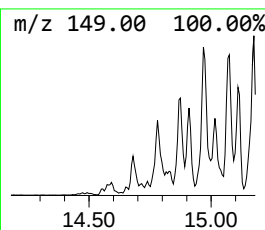
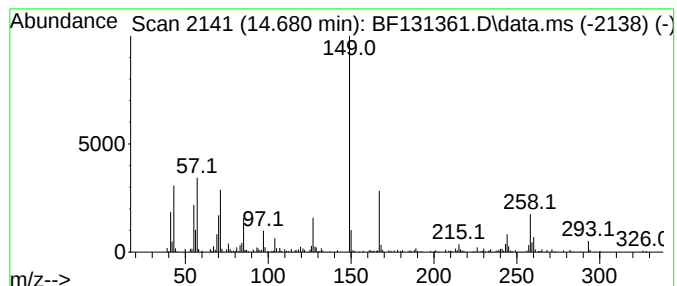
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phthalic acid, isohexyl 4-m... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.680	7.54 ng	194871	Chrysene-d12	14.168

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phthalic acid, isohexyl 4-methyl...	334	C20H30O4	1010356-87-5	50
2			Phthalic acid, hept-2-yl isohexy...	348	C21H32O4	1000356-97-3	50
3			Phthalic acid, hex-3-yl isohexyl...	334	C20H30O4	1000356-95-6	50
4			Phthalic acid, isohexyl nonyl ester	376	C23H36O4	1000309-07-2	50
5			1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-1

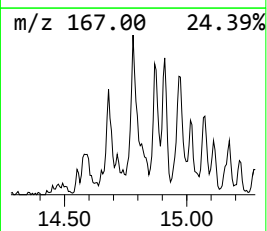
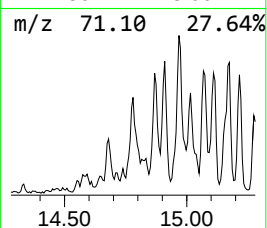
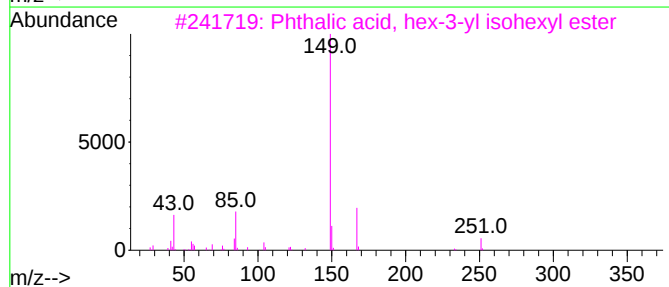
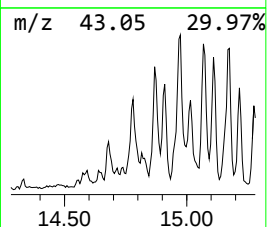
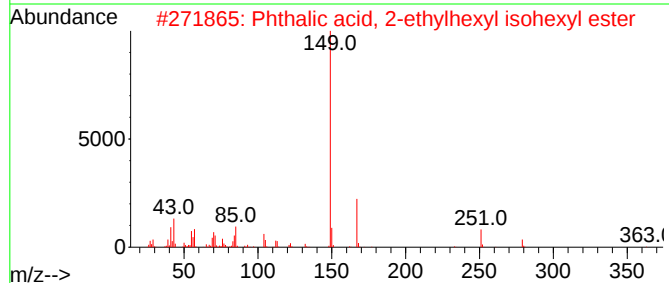
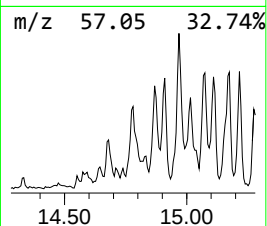
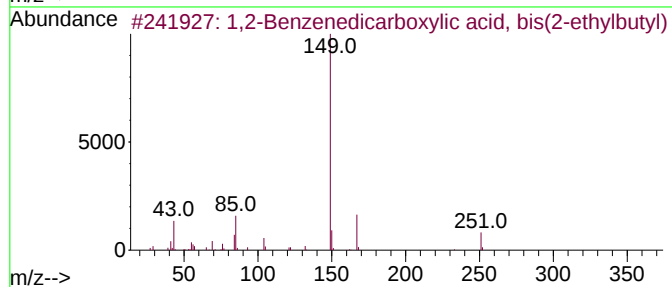
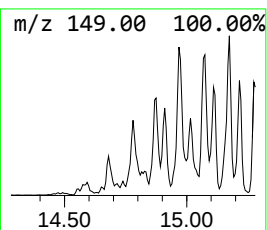
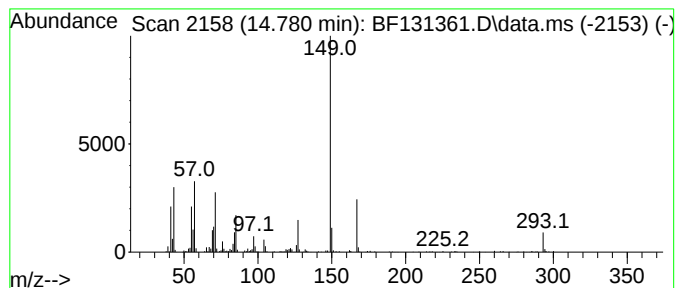
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,2-Benzenedicarboxylic aci... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.780	15.74 ng	406838	Chrysene-d12	14.168

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	007299-89-0	64
2			Phthalic acid, 2-ethylhexyl isoh...	362	C22H34O4	1000308-98-5	64
3			Phthalic acid, hex-3-yl isohexyl...	334	C20H30O4	1000356-95-6	64
4			Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	58
5			Phthalic acid, isohexyl 2-methyl...	334	C20H30O4	1000356-91-0	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
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Misc :
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Instrument :
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ClientSampleId :
SOIL-PILE-1

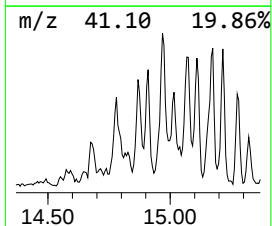
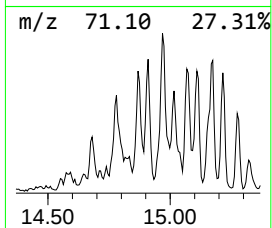
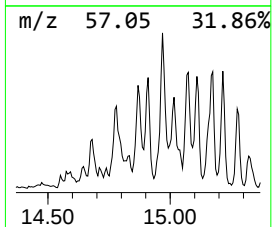
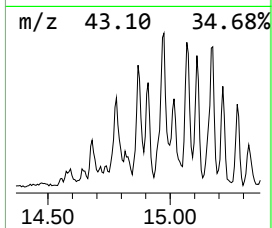
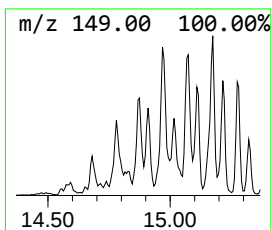
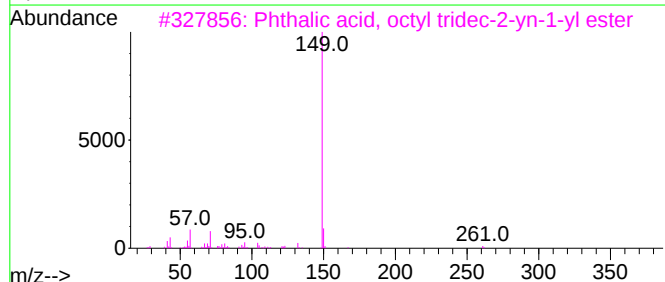
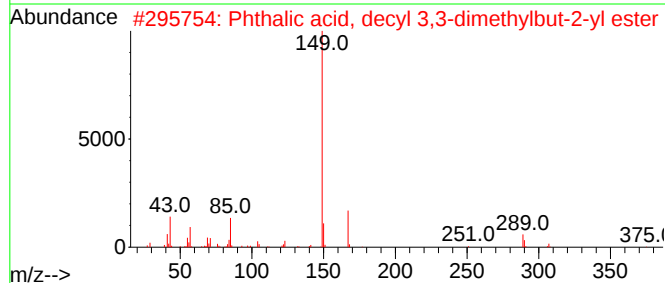
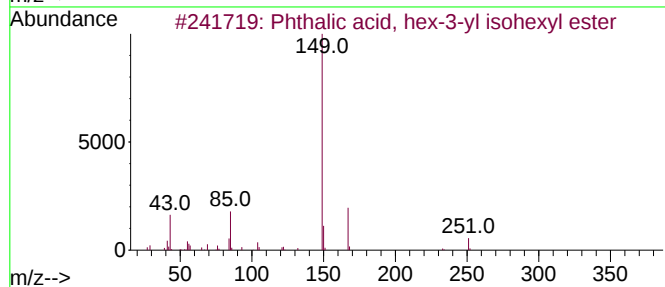
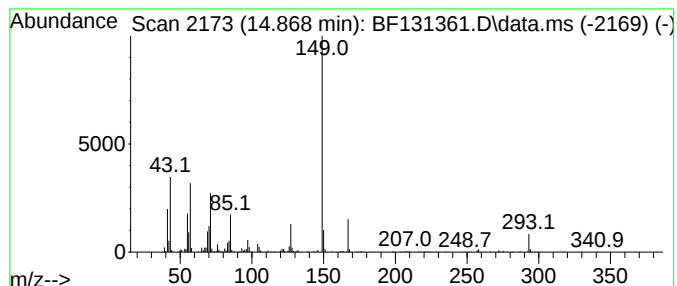
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phthalic acid, hex-3-yl iso... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.868	17.08 ng	441545	Chrysene-d12	14.168

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phthalic acid, hex-3-yl isohexyl...	334	C20H30O4	1000356-95-6	64
2			Phthalic acid, decyl 3,3-dimethy...	390	C24H38O4	1000357-00-9	59
3			Phthalic acid, octyl tridec-2-yn...	456	C29H44O4	1000315-44-1	59
4			Phthalic acid, dodecyl 3-methylb...	404	C25H40O4	1000356-81-3	59
5			Phthalic acid, hept-4-yl isohexy...	348	C21H32O4	1000356-78-6	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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Operator : CG\JU
Sample : N5641-01
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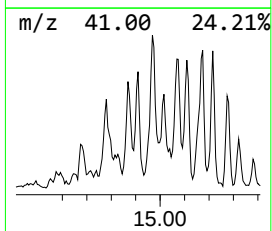
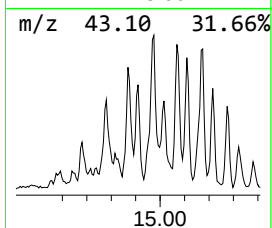
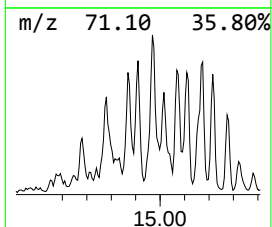
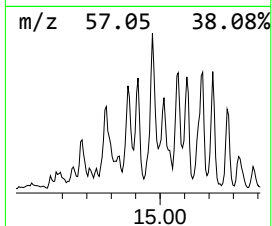
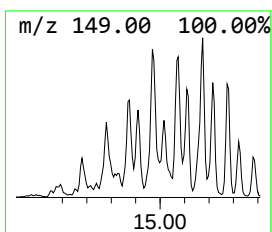
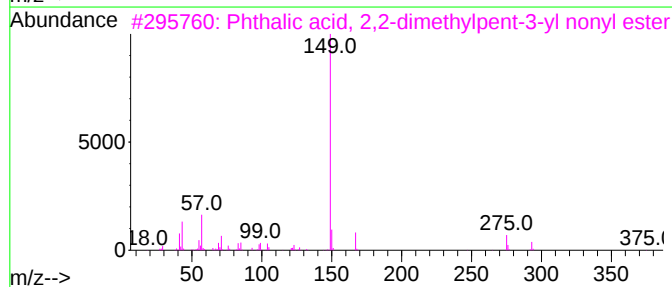
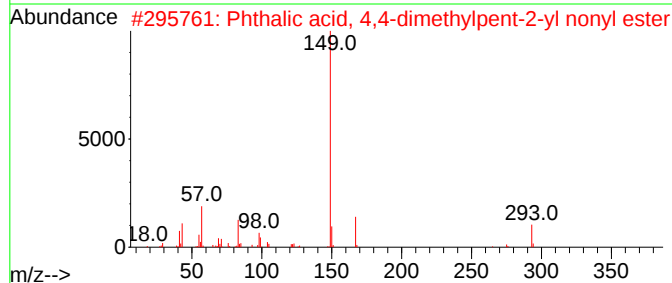
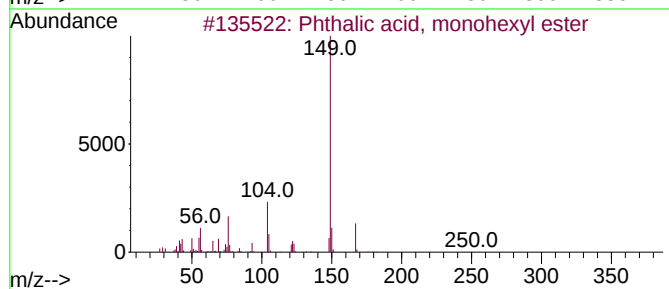
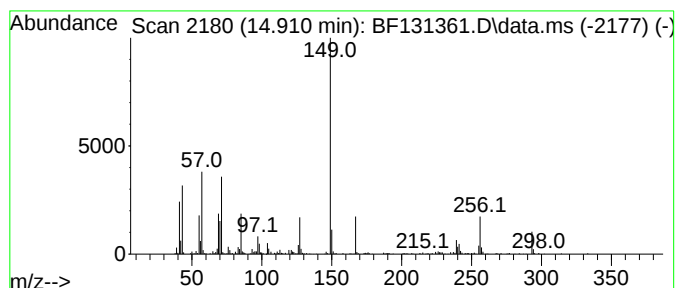
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phthalic acid, monohexyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.910	16.02 ng	414091	Chrysene-d12		14.168	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phthalic acid, monohexyl ester		250	C14H18O4	024539-57-9	53
2	Phthalic acid, 4,4-dimethylpent-...		390	C24H38O4	1000371-13-6	53
3	Phthalic acid, 2,2-dimethylpent-...		390	C24H38O4	1000415-53-2	53
4	Phthalic acid, 5-methylhex-2-yl ...		390	C24H38O4	1000371-08-5	50
5	Phthalic acid, 5-ethyl-1,3-dioxa...		420	C24H36O6	1000415-48-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
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Instrument :
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ClientSampleId :
SOIL-PILE-1

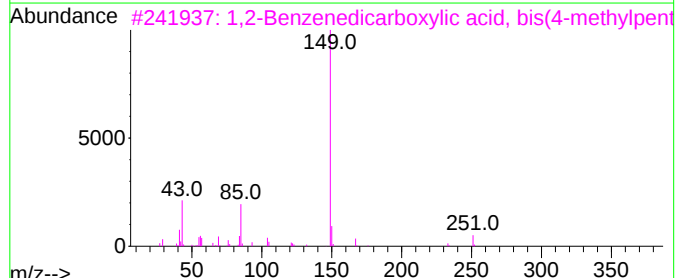
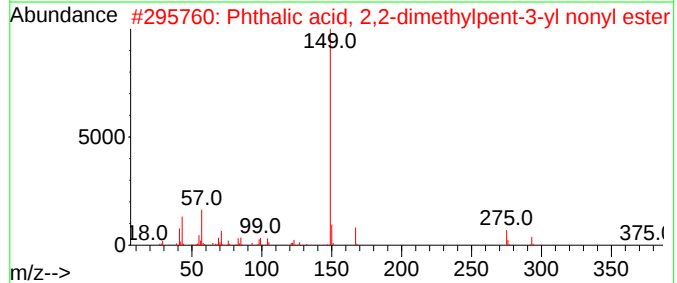
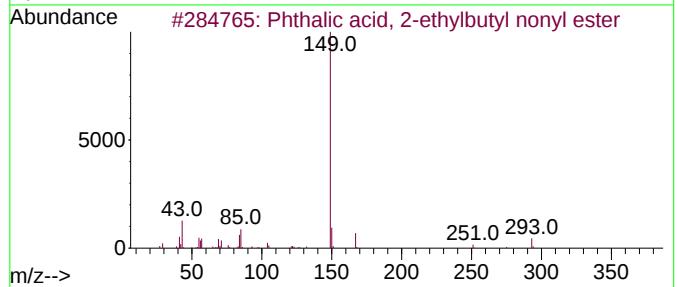
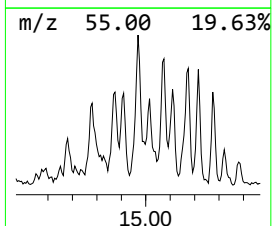
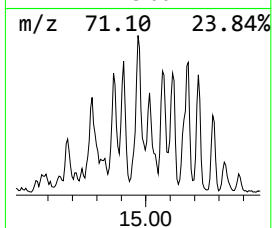
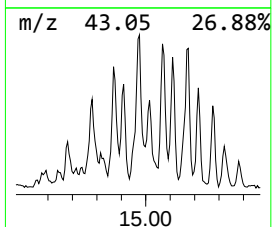
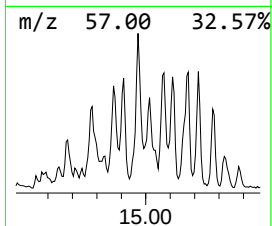
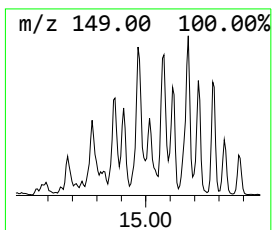
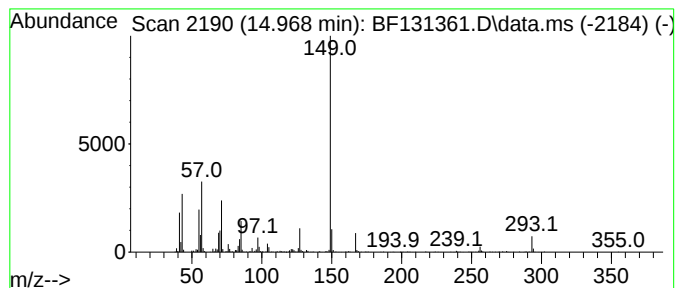
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phthalic acid, 2-ethylbutyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	29.41 ng	744622	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phthalic acid, 2-ethylbutyl nonyl...	376	C23H36O4	1000356-89-4	72
2			Phthalic acid, 2,2-dimethylpent...	390	C24H38O4	1000415-53-2	59
3			1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	53
4			Phthalic acid, hexyl 4-methylpen...	334	C20H30O4	1000356-87-6	53
5			Phthalic acid, 2-ethylbutyl isob...	306	C18H26O4	1000356-88-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

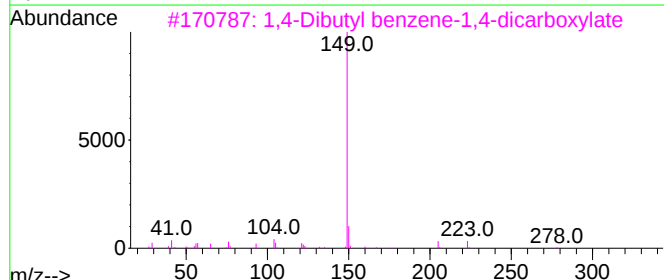
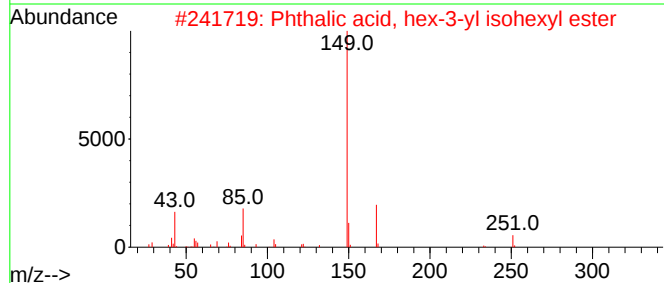
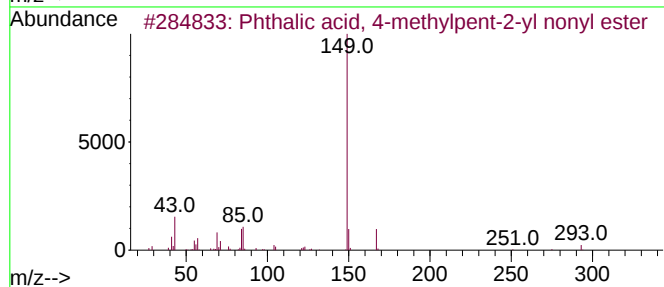
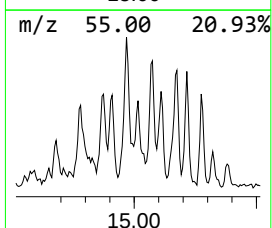
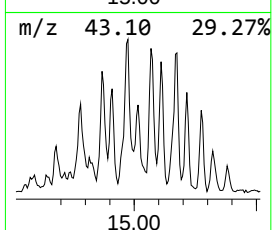
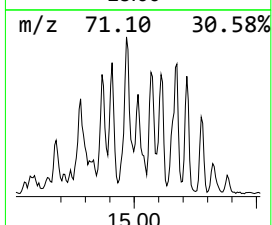
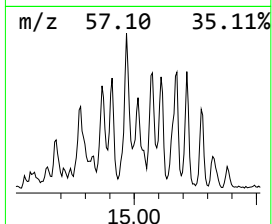
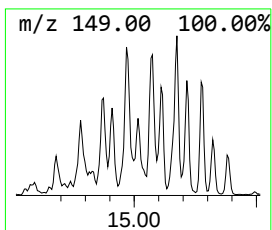
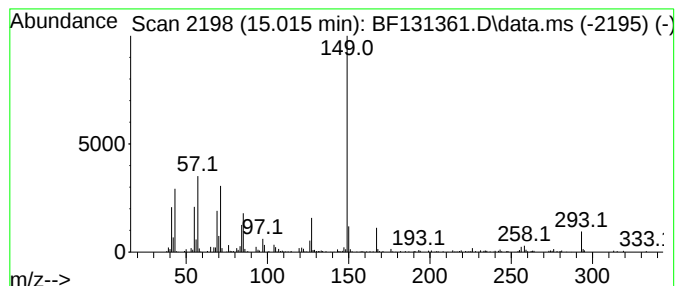
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phthalic acid, 4-methylpent... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.015	16.47 ng	417009	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phthalic acid, 4-methylpent-2-yl...	376	C23H36O4	1000356-87-9	59
2			Phthalic acid, hex-3-yl isohexyl...	334	C20H30O4	1000356-95-6	58
3			1,4-Dibutyl benzene-1,4-dicarbox...	278	C16H22O4	001962-75-0	55
4			Phthalic acid, 4-methylpent-2-yl...	362	C22H34O4	1000356-87-8	53
5			1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
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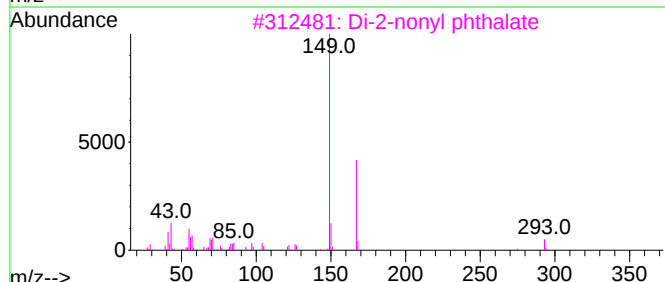
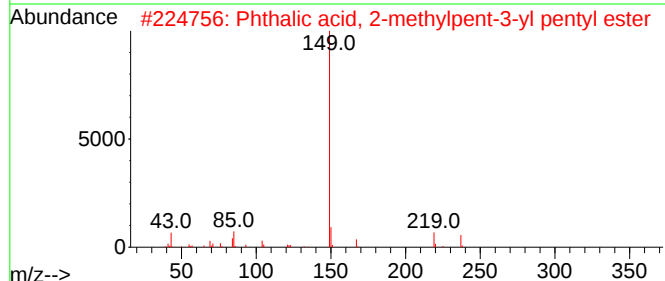
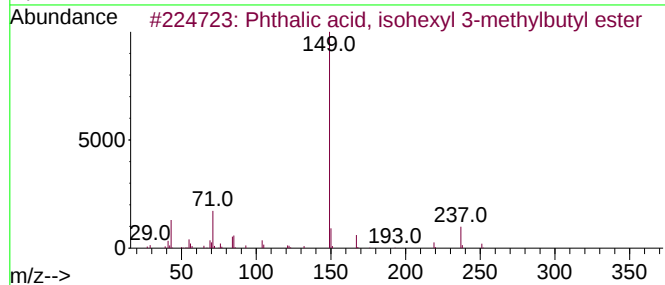
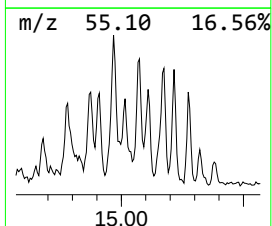
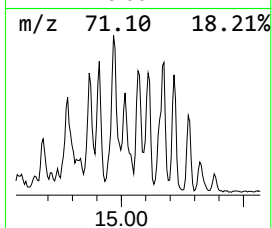
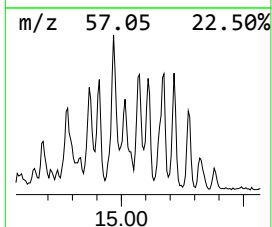
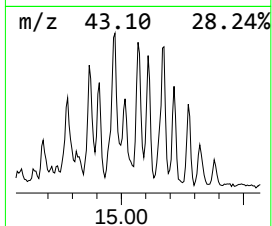
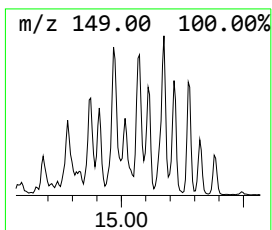
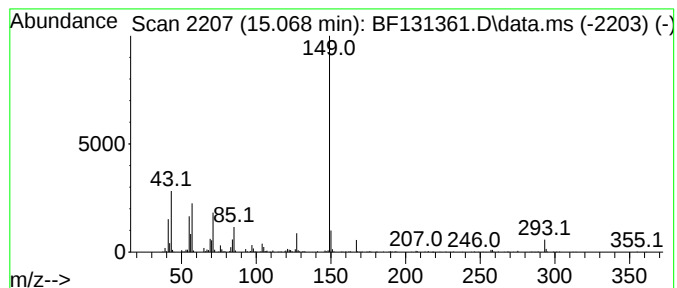
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phthalic acid, isohexyl 3-m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.068	25.87 ng	654879	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phthalic acid, isohexyl 3-methyl...	320	C19H28O4	1000356-80-6	86
2			Phthalic acid, 2-methylpent-3-yl...	320	C19H28O4	1000356-90-9	80
3			Di-2-nonyl phthalate	418	C26H42O4	059431-96-8	72
4			Phthalic acid, isobutyl 2-methyl...	306	C18H26O4	1000356-90-7	72
5			Phthalic acid, 2-ethylbutyl hexy...	334	C20H30O4	1000356-89-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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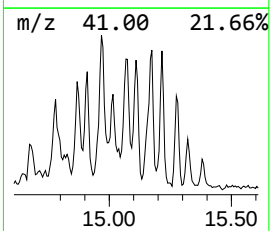
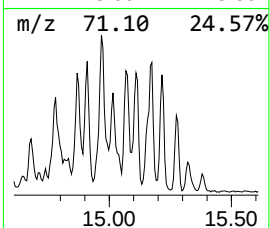
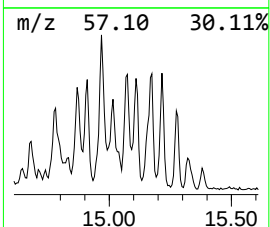
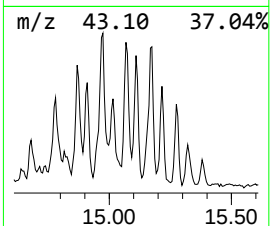
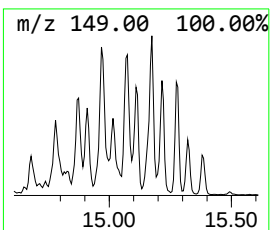
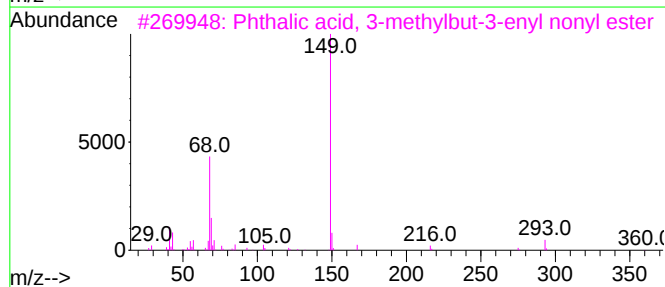
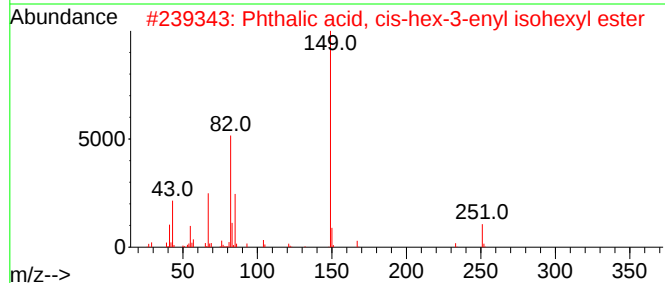
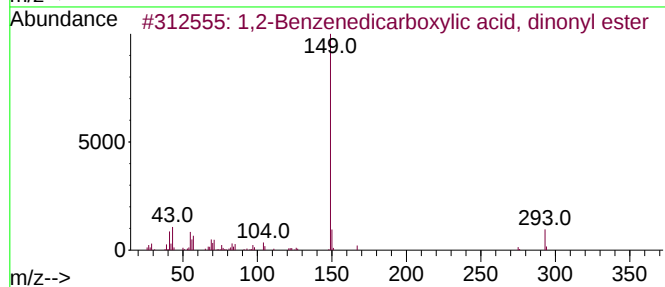
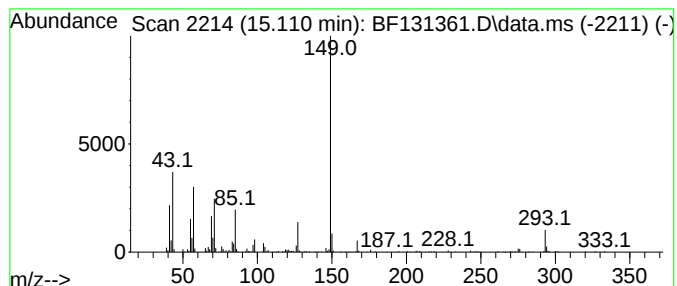
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phthalic acid, cis-hex-3-en... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	18.09 ng	458031	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	53
2			Phthalic acid, cis-hex-3-enyl is...	332	C20H28O4	1000360-36-7	50
3			Phthalic acid, 3-methylbut-3-eny...	360	C22H32O4	1010357-10-7	50
4			Phthalic acid, 2-ethylhexyl hexy...	362	C22H34O4	1000309-02-5	47
5			Phthalic acid, di(2-methylbutyl)...	306	C18H26O4	1000322-82-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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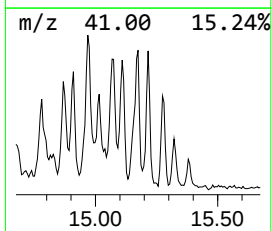
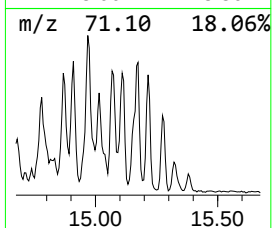
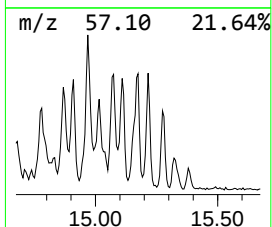
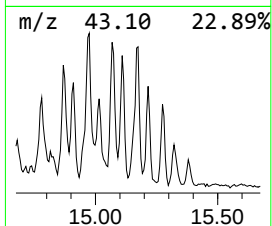
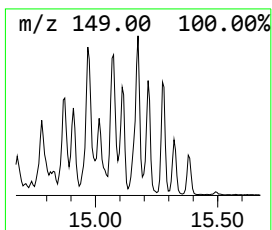
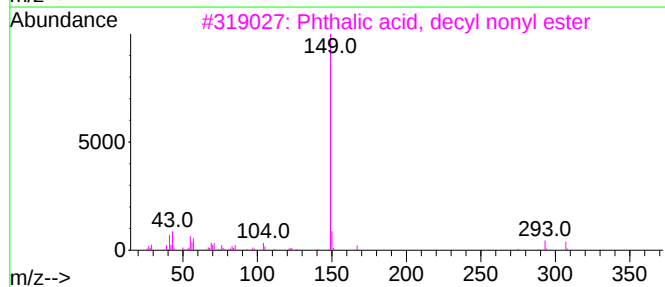
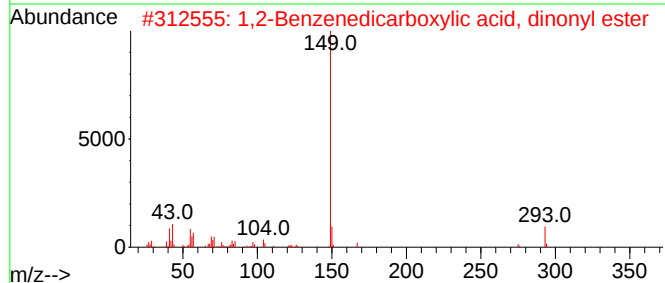
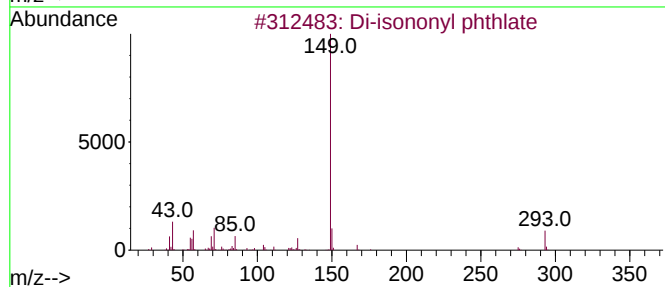
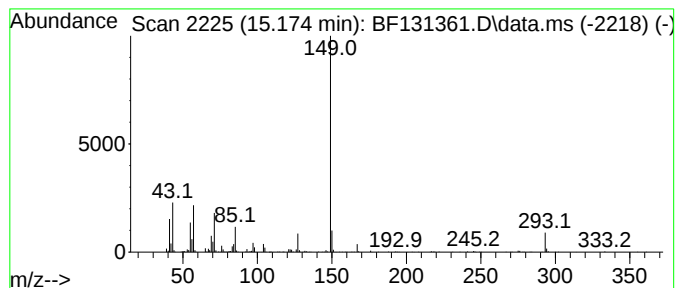
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Di-isononyl phthlate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	25.06 ng	634390	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Di-isononyl phthlate	418	C26H42O4	020548-62-3	87
2			1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	80
3			Phthalic acid, decyl nonyl ester	432	C27H44O4	1000308-89-8	80
4			Phthalic acid, isobutyl 2-methyl...	306	C18H26O4	1000356-90-7	80
5			Phthalic acid, dodecyl nonyl ester	460	C29H48O4	1000308-92-6	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
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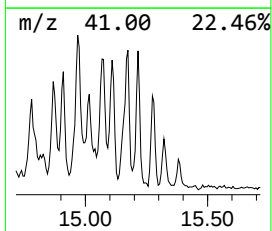
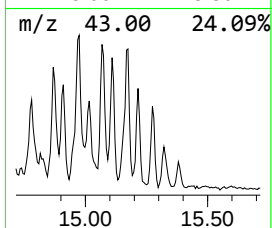
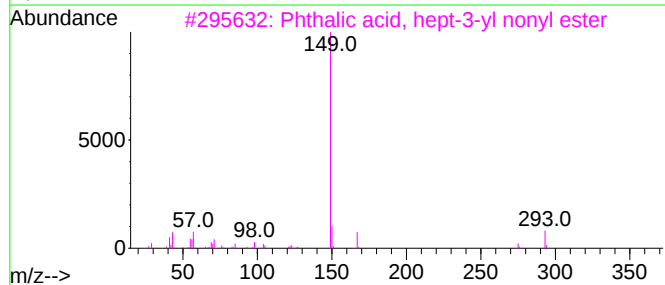
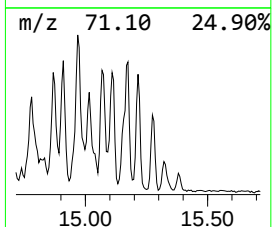
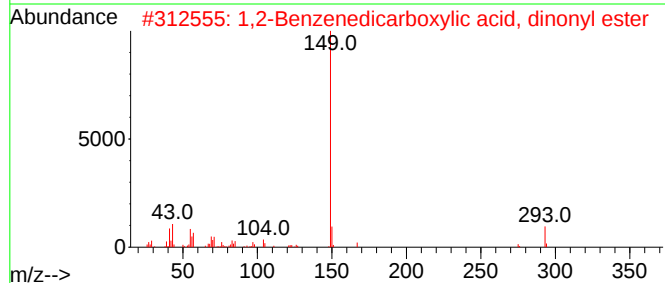
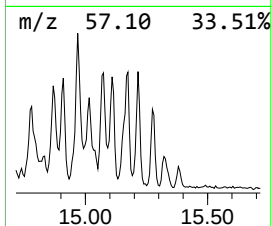
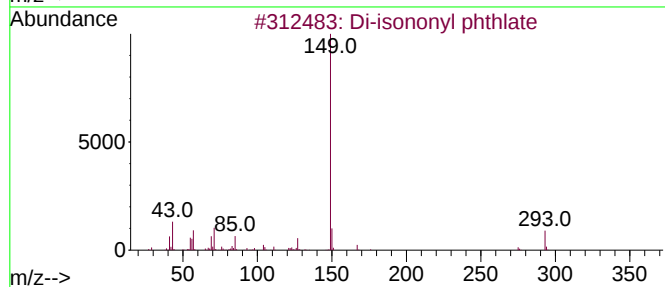
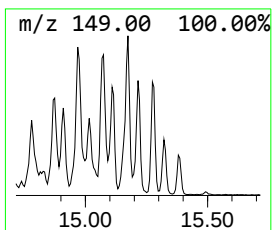
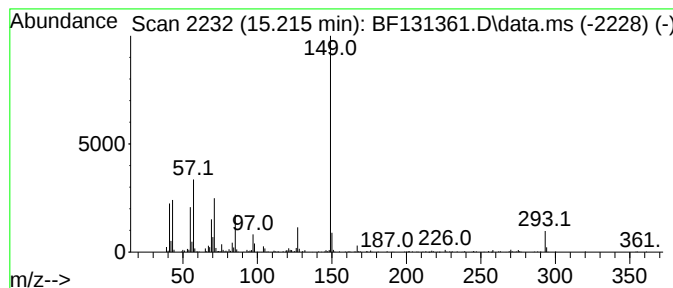
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,2-Benzenedicarboxylic aci... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.215	16.19 ng	409864	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Di-isononyl phthlate	418	C26H42O4	020548-62-3	59
2			1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	59
3			Phthalic acid, hept-3-yl nonyl e...	390	C24H38O4	1000356-99-3	53
4			Phthalic acid, dodecyl nonyl ester	460	C29H48O4	1000308-92-6	53
5			Phthalic acid, 3-methylbut-3-eny...	360	C22H32O4	1010357-10-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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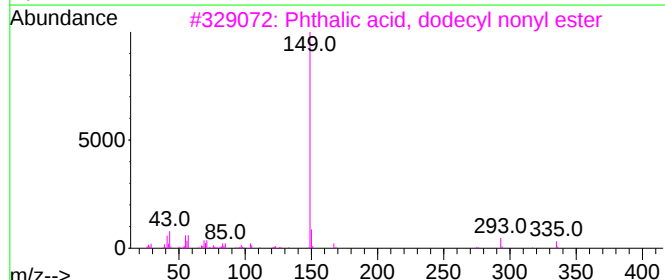
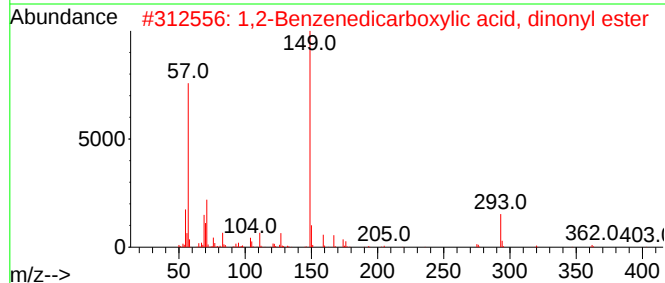
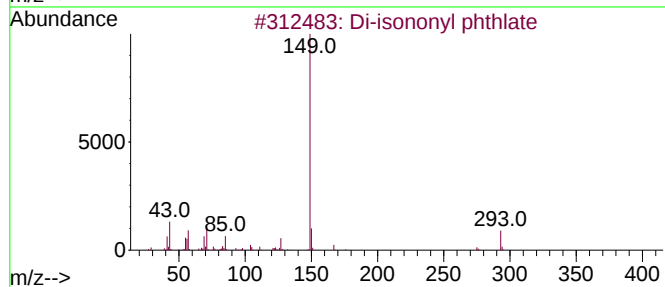
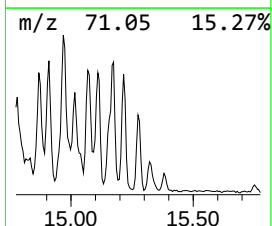
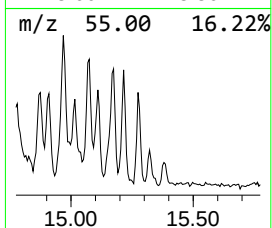
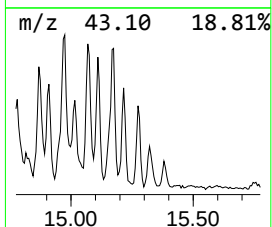
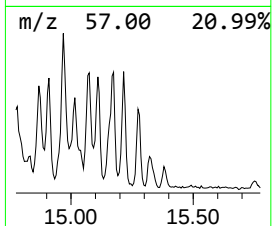
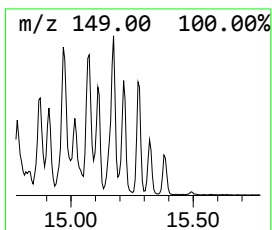
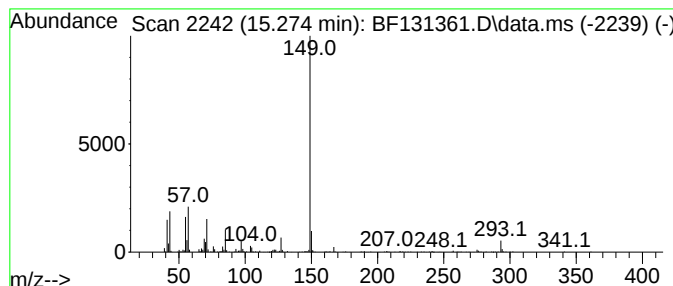
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Phthalic acid, dodecyl nonyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.274	12.92 ng	327020	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Di-isononyl phthlate	418	C26H42O4	020548-62-3	86
2			1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	72
3			Phthalic acid, dodecyl nonyl ester	460	C29H48O4	1000308-92-6	72
4			1,2-Benzenedicarboxylic acid, bi...	306	C18H26O4	000605-50-5	64
5			Phthalic acid, 2-ethylbutyl nonyl...	376	C23H36O4	1000356-89-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

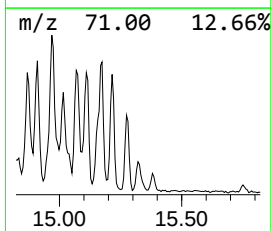
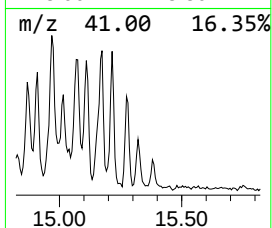
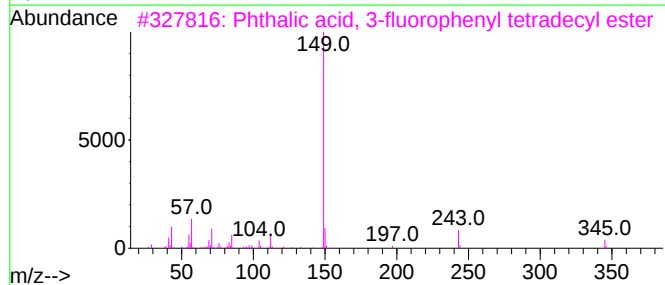
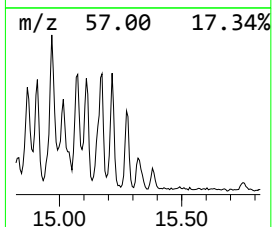
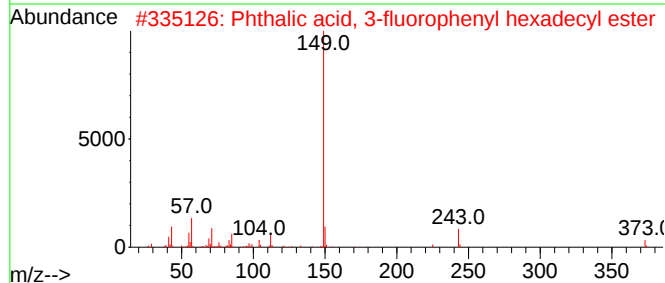
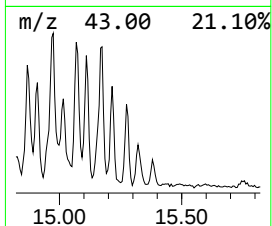
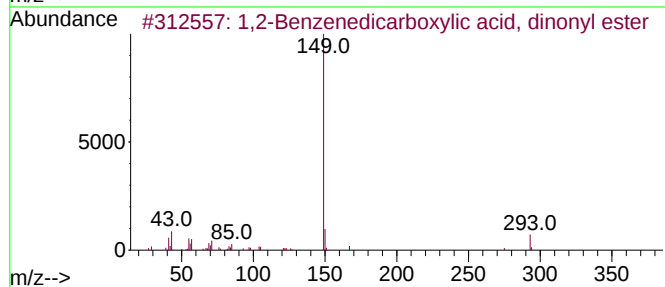
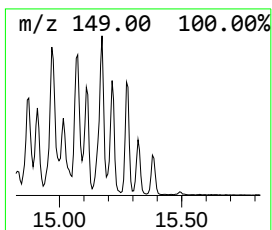
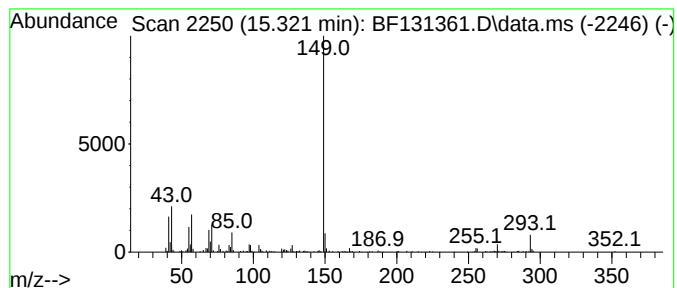
Instrument :
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ClientSampleId :
SOIL-PILE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Phthalic acid, 3-fluorophen... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.	
15.321	7.46 ng	188838	Perylene-d12			15.715	
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	83
2			Phthalic acid, 3-fluorophenyl he...	484	C30H41FO4	1000356-66-4	80
3			Phthalic acid, 3-fluorophenyl te...	456	C28H37FO4	1000356-66-6	72
4			Phthalic acid, 3-methylphenyl tr...	438	C28H38O4	1000314-86-6	72
5			Phthalic acid, 3-fluorophenyl tr...	442	C27H35FO4	1000356-66-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131361.D
Acq On : 23 Nov 2022 14:00
Operator : CG\JU
Sample : N5641-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

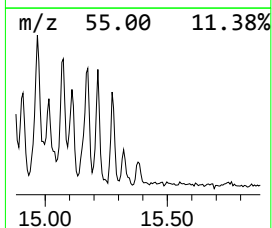
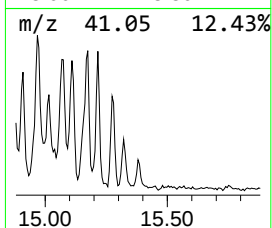
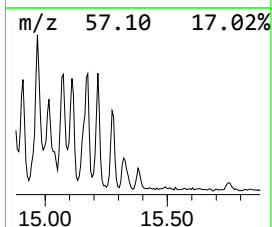
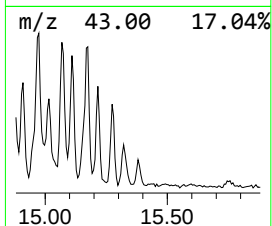
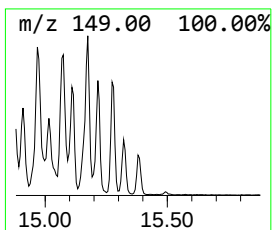
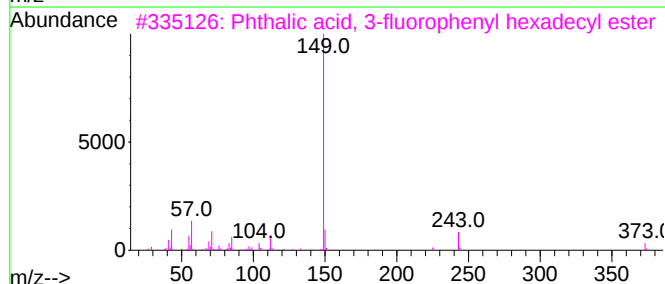
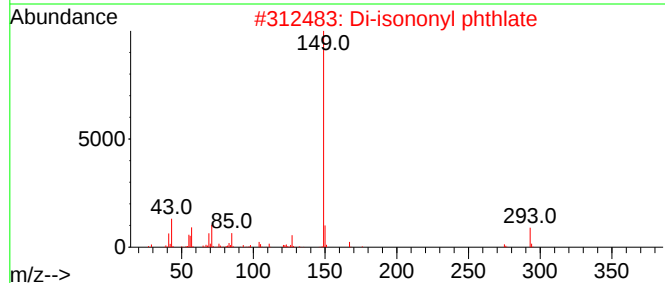
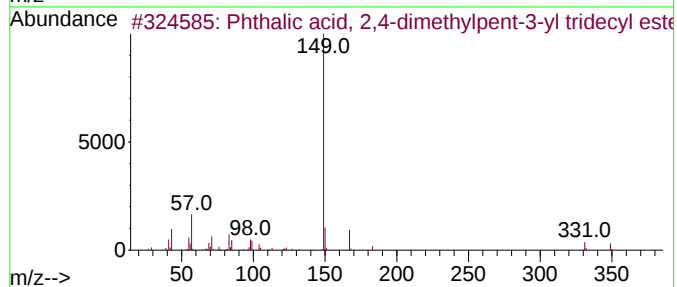
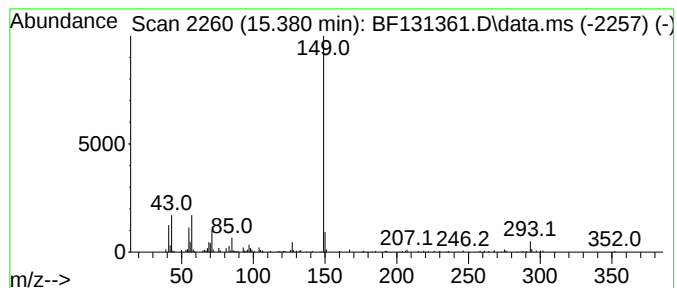
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Phthalic acid, 2,4-dimethyl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	3.69 ng	93526	Perylene-d12	15.715

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phthalic acid, 2,4-dimethylpent-...	446	C28H46O4	1000356-85-2	72
2			Di-isononyl phthlate	418	C26H42O4	020548-62-3	72
3			Phthalic acid, 3-fluorophenyl he...	484	C30H41FO4	1000356-66-4	72
4			Phthalic acid, 3-fluorophenyl tr...	442	C27H35FO4	1000356-66-7	72
5			Phthalic acid, 2,5-dichloropheny...	492	C27H34Cl2O4	1000356-66-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131361.D
 Acq On : 23 Nov 2022 14:00
 Operator : CG\JU
 Sample : N5641-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.257	31.6	ng	855348	1	6.963	540983	20.0
2-Pentanone, 4-...	5.181	11.0	ng	297400	1	6.963	540983	20.0
Benzophenone	10.733	4.8	ng	174049	3	10.016	720563	20.0
n-Hexadecanoic ...	12.033	4.2	ng	133017	4	11.516	640425	20.0
Pyrene, 1,3-dim...	13.868	2.6	ng	67662	5	14.168	516968	20.0
o-Terphenyl	13.986	3.0	ng	76867	5	14.168	516968	20.0
Naphthalene, 2-...	14.021	3.2	ng	83200	5	14.168	516968	20.0
Phthalic acid, ...	14.680	7.5	ng	194871	5	14.168	516968	20.0
1,2-Benzenedica...	14.780	15.7	ng	406838	5	14.168	516968	20.0
Phthalic acid, ...	14.868	17.1	ng	441545	5	14.168	516968	20.0
Phthalic acid, ...	14.910	16.0	ng	414091	5	14.168	516968	20.0
Phthalic acid, ...	14.968	29.4	ng	744622	6	15.715	506345	20.0
Phthalic acid, ...	15.015	16.5	ng	417009	6	15.715	506345	20.0
Phthalic acid, ...	15.068	25.9	ng	654879	6	15.715	506345	20.0
Phthalic acid, ...	15.110	18.1	ng	458031	6	15.715	506345	20.0
Di-isononyl pht...	15.174	25.1	ng	634390	6	15.715	506345	20.0
1,2-Benzenedica...	15.215	16.2	ng	409864	6	15.715	506345	20.0
Phthalic acid, ...	15.274	12.9	ng	327020	6	15.715	506345	20.0
Phthalic acid, ...	15.321	7.5	ng	188838	6	15.715	506345	20.0
Phthalic acid, ...	15.380	3.7	ng	93526	6	15.715	506345	20.0