LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131384.D
Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-PILE-10

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: BF131384.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	24	30	36	rVB	712135	876317	42.50%	4.415%
2	5.175	520	525	532	rBV	301823	332153	16.11%	1.674%
3	5.563	586	591	594	rBV	2215509	2061961	100.00%	10.389%
4	6.569	756	762	765	rBV	1973778	2025845	98.25%	10.207%
5	6.951	823	827	831	rBV	676248	599426	29.07%	3.020%
6	7.516	916	923	926	rBV	1325323	1253472	60.79%	6.316%
7	8.134	1025	1028	1039	rBV	361778	355361	17.23%	1.790%
8	8.239	1042	1046	1050	rVV	739303	678208	32.89%	3.417%
9	9.322	1224	1230	1233	rBV	2490386	1981503	96.10%	9.984%
10	10.004	1343	1346	1350	rBV	784280	647729	31.41%	3.264%
11	10.798	1477	1481	1484	rBV	1239331	1047226	50.79%	5.276%
12	11.357	1573	1576	1579	rBV	152251	115057	5.58%	0.580%
13	11.422	1584	1587	1590	rBV	43422	38793	1.88%	0.195%
14	11.504	1597	1601	1603	rBV	680804	574852	27.88%	2.896%
15	11.527	1603	1605	1607	rVB	43633	34599	1.68%	0.174%
16	11.892	1664	1667	1669	rVB	34374	27246	1.32%	0.137%
17	12.022	1684	1689	1699	rBV	159563	149310	7.24%	0.752%
18	12.722	1805	1808	1814	rBV	112159	107486	5.21%	0.542%
19	12.810	1820	1823	1829	rBV2	62169	66801	3.24%	0.337%
20	12.951	1842	1847	1852	rBV	87378	110558	5.36%	0.557%
21	13.098	1868	1872	1875	rBV	1949741	1587992	77.01%	8.001%
22	13.510	1939	1942	1944	rBV	37873	36955	1.79%	0.186%
23	13.574	1950	1953	1959	rBV	352890	287701	13.95%	1.450%
24	13.880	2002	2005	2008	rBV2	78475	61553	2.99%	0.310%
25	14.033	2027	2031	2033	rBV5	23933	37040	1.80%	0.187%
26	14.157	2048	2052	2055	rBV	518939	535393	25.97%	2.698%
27	14.186	2055	2057	2059	rVB	42778	34279	1.66%	0.173%
28	14.257	2065	2069	2072	rBV	141699	133495	6.47%	0.673%
29	14.457	2098	2103	2105	rBV3	59644	106042	5.14%	0.534%
30	14.516	2110	2113	2114	rBV	77485	79814	3.87%	0.402%
31	14.533	2114	2116	2118	rVV	45152	41135	1.99%	0.207%
32	14.586	2123	2125	2127	rBV	92754	91072	4.42%	0.459%
33	14.616	2127	2130	2132	rBV	125017	121071	5.87%	0.610%
34	14.645	2132	2135	2137	rBV	273023	307843	14.93%	1.551%
35	14.668	2137	2139	2141	rVB	312769	244986	11.88%	1.234%
36	14.692	2141	2143	2144	rBV	58290	34784	1.69%	0.175%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

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

37	14.721	2144	2148	2149	rBV	520192	564575	27.38%	2.845%
38	14.745	2149	2152	2154	rBV	490348	502914	24.39%	2.534%
39	14.833	2163	2167	2168	rBV	247652	310336	15.05%	1.564%
40	14.857	2168	2171	2173	rVV	438418	472313	22.91%	2.380%
41	14.910	2178	2180	2182	rBV	229410	253187	12.28%	1.276%
42	15.310	2244	2248	2256	rVB4	170184	382882	18.57%	1.929%
43	15.704	2310	2315	2319	rBV	268787	366784	17.79%	1.848%
44	16.210	2397	2401	2406	rVB2	55497	84735	4.11%	0.427%
45	16.757	2492	2494	2504	rVB4	43095	84634	4.10%	0.426%

Sum of corrected areas: 19847418

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ALS Vial : 23 Sample Multiplier: 1

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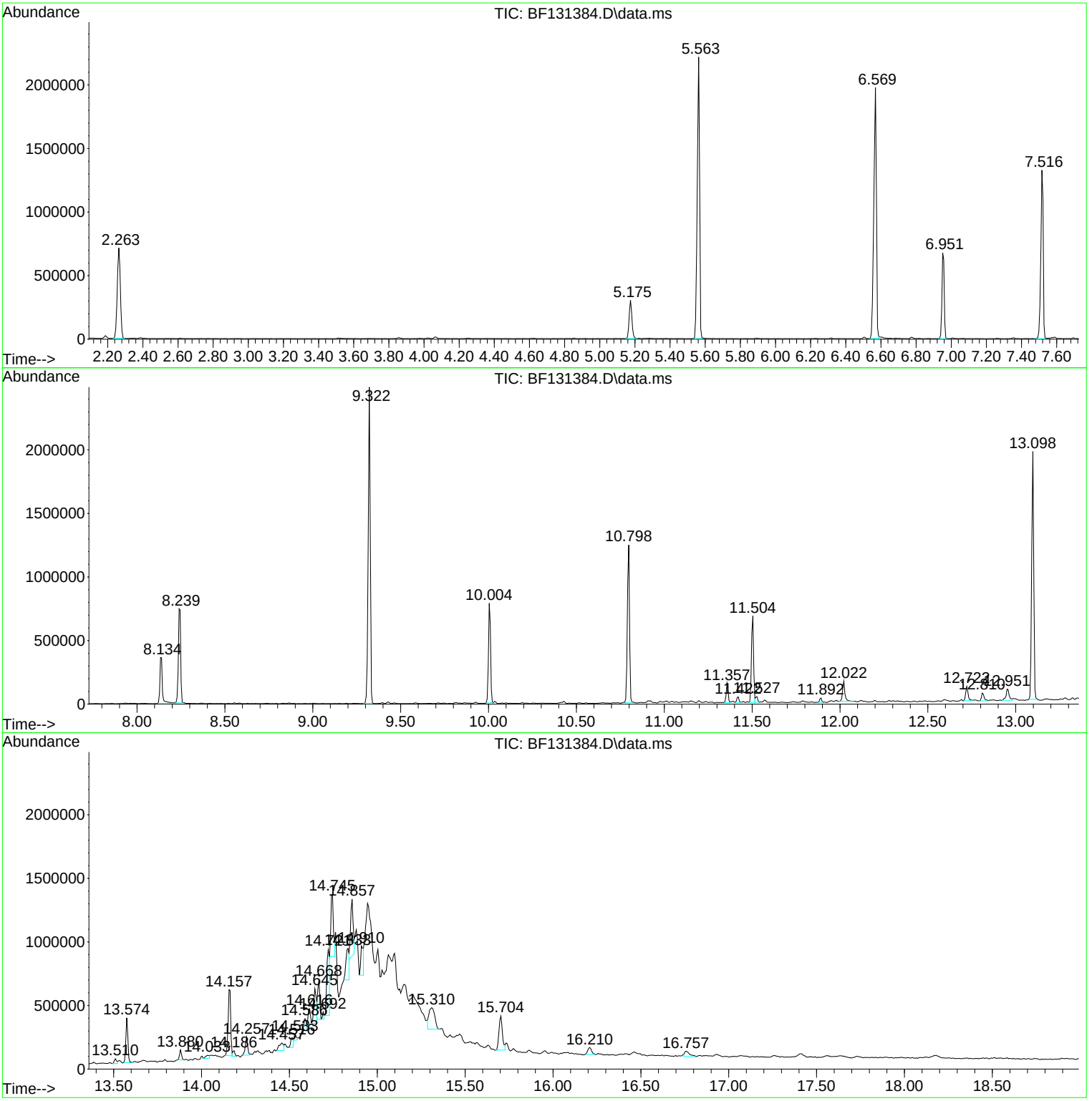
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131384.D
Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

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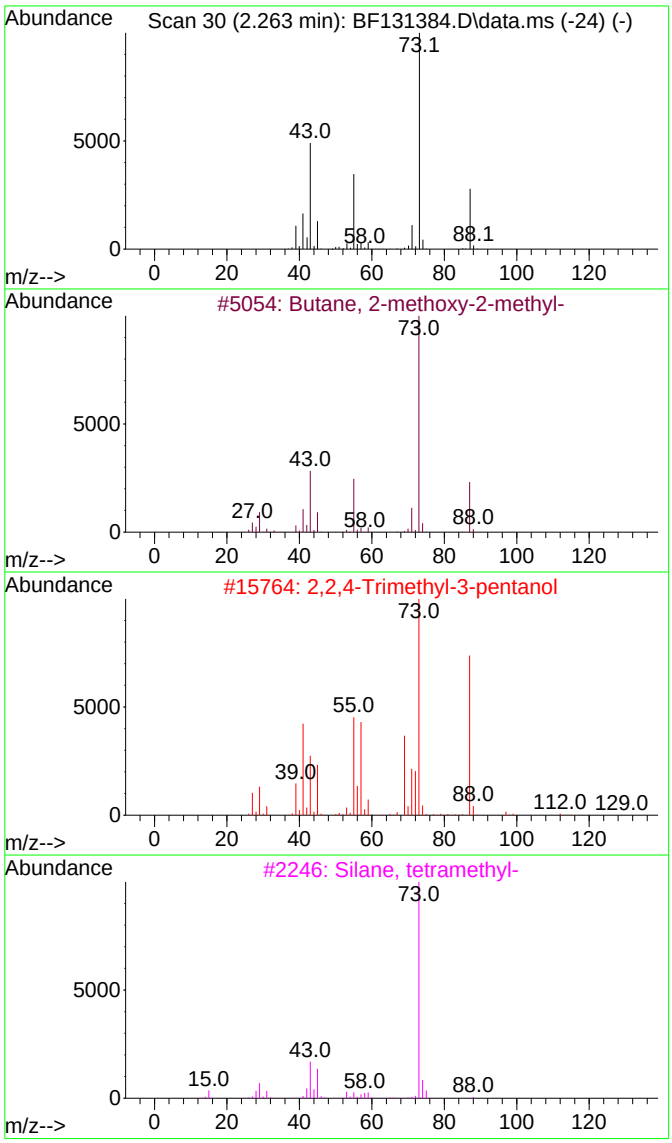
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

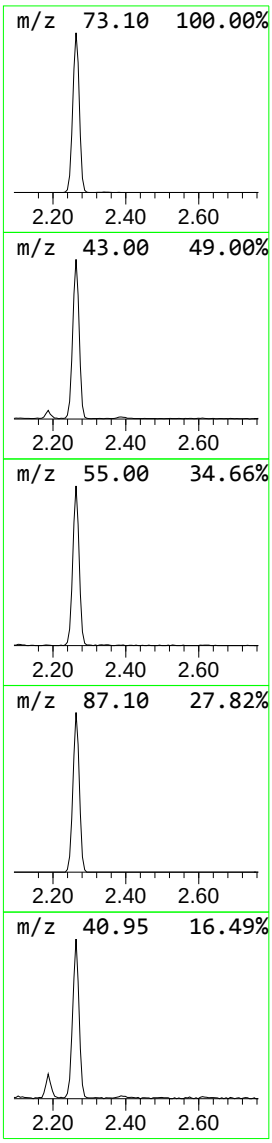
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	29.24 ng	876317	1,4-Dichlorobenzene-d4	6.951

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	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





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Sample : N5641-10
Misc :
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Instrument :
BNA_F
ClientSampleId :
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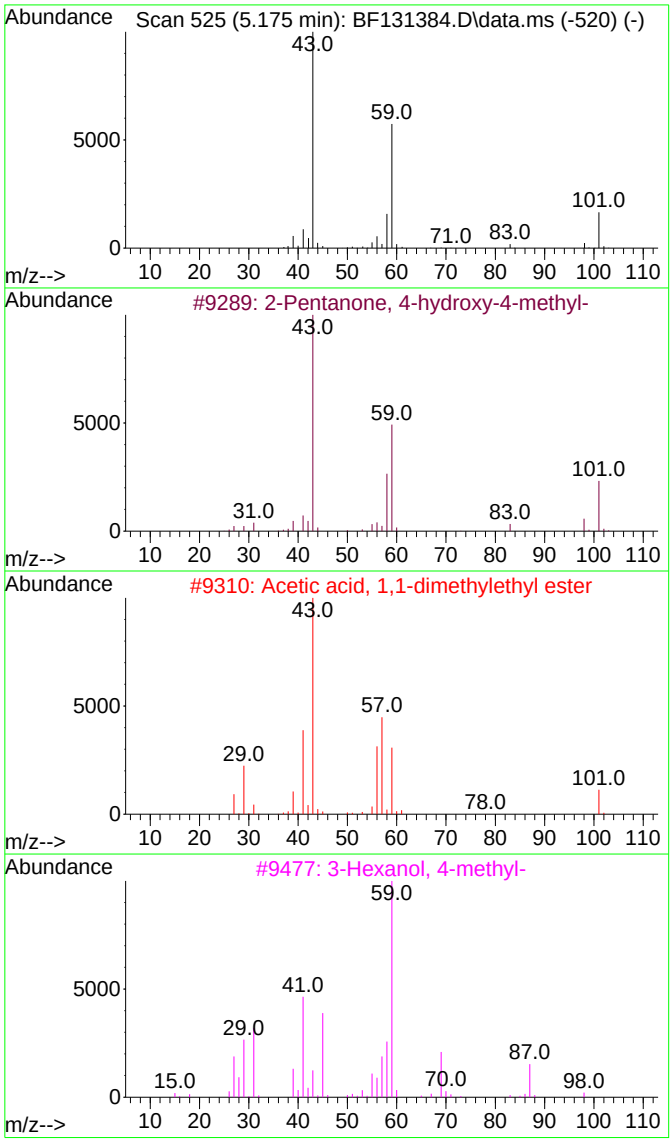
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

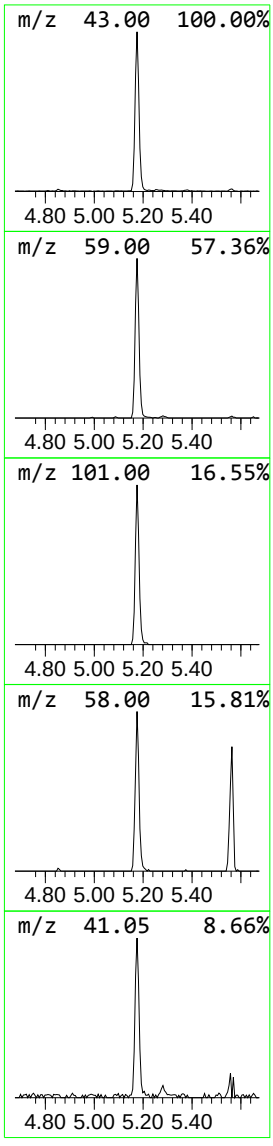
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.175	11.08 ng	332153	1,4-Dichlorobenzene-d4	6.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





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Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

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

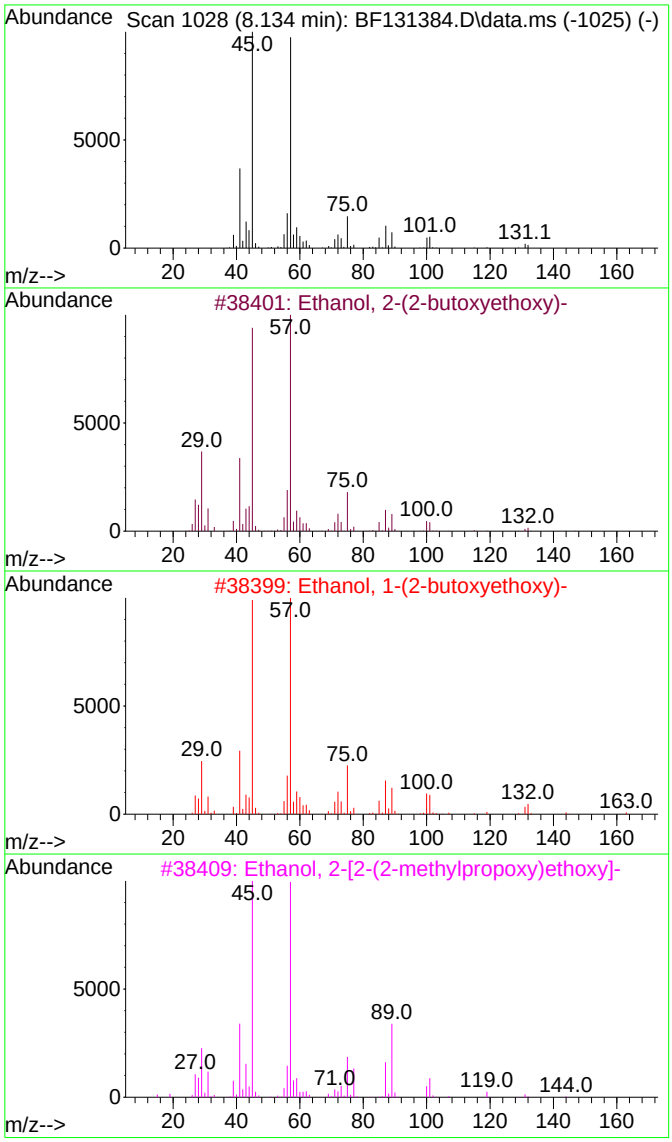
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

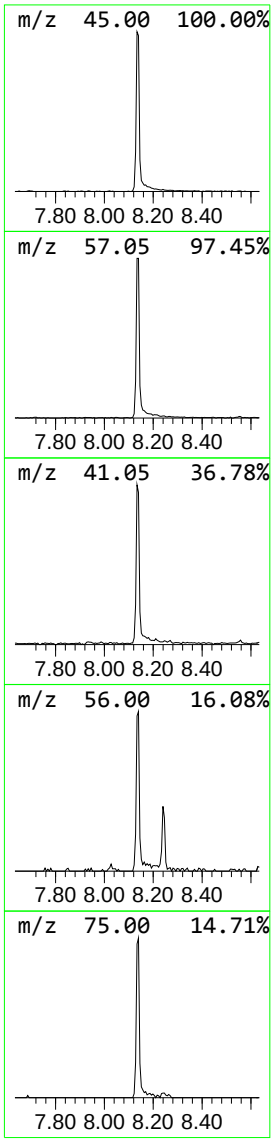
****

Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.134	10.48 ng	355361	Naphthalene-d8	8.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
4	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53
5	2-Heptanol, 3-methyl-	130	C8H18O	031367-46-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

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

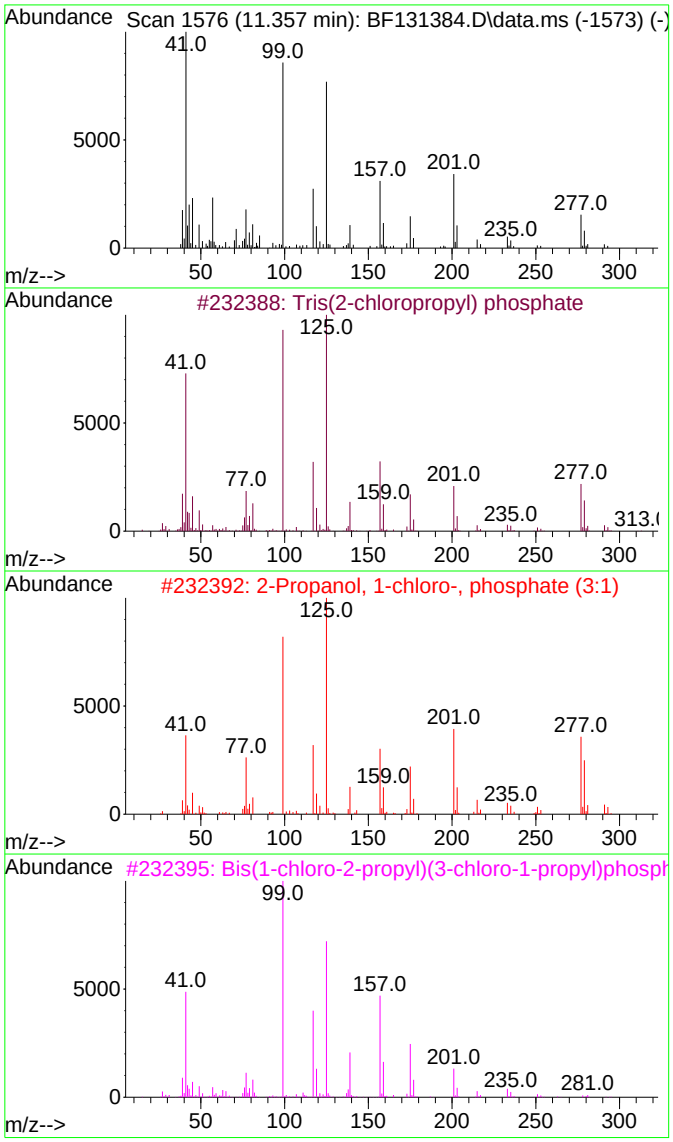
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

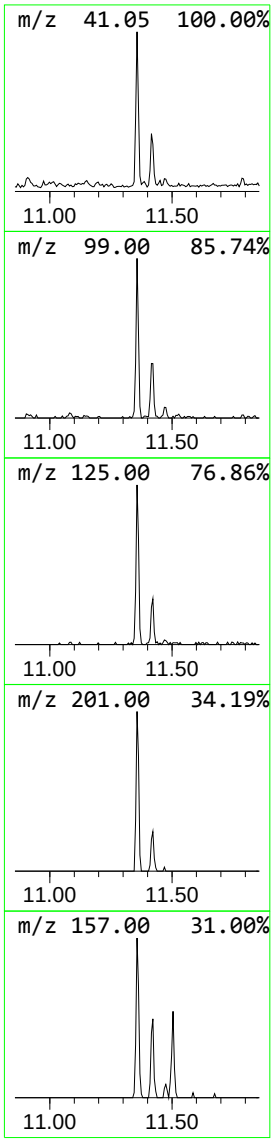
****

Peak Number 4 Tris(2-chloropropyl) phosphate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.357	4.00 ng	115057	Phenanthrene-d10	11.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tris(2-chloropropyl) phosphate	326	C9H18Cl3O4P	006145-73-9	62
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	62
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	38
4	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	25
5	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	22





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Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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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
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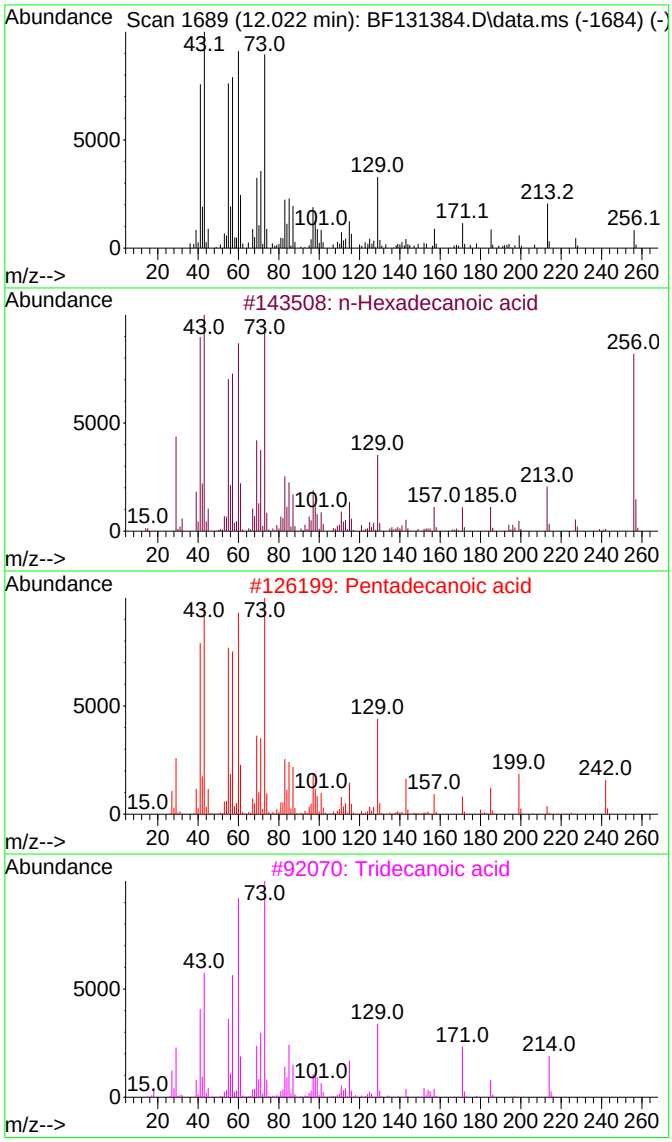
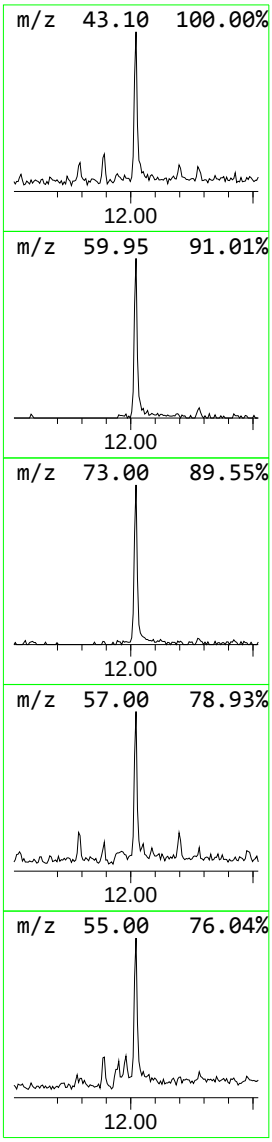
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	5.19 ng	149310	Phenanthrene-d10	11.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Undecanoic acid	186	C11H22O2	000112-37-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





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

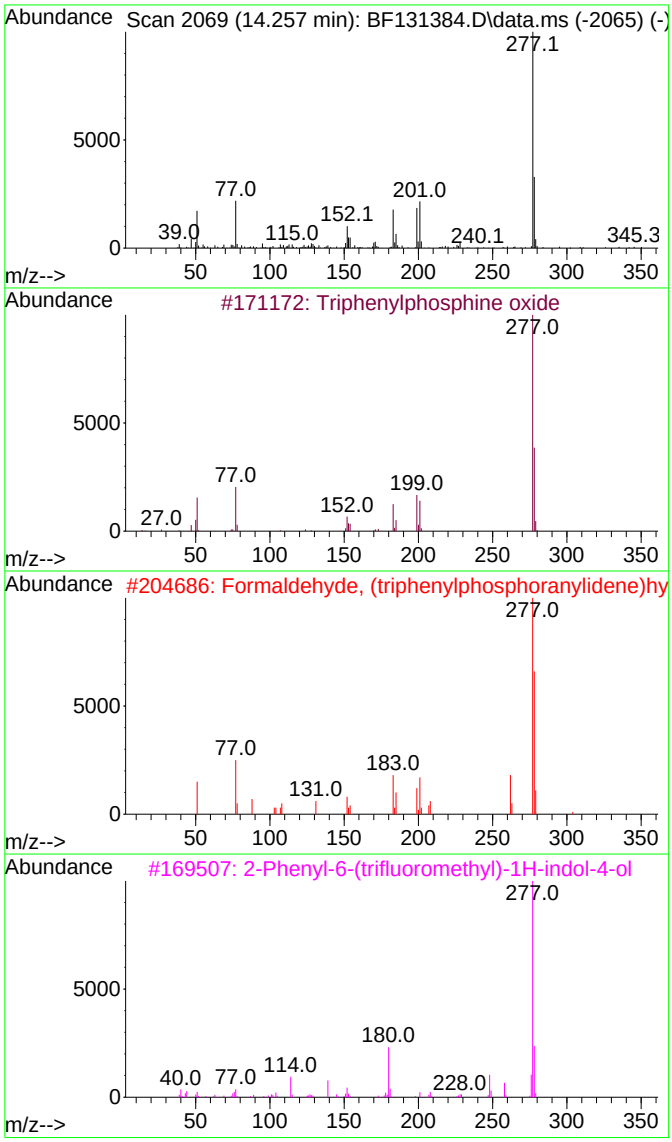
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

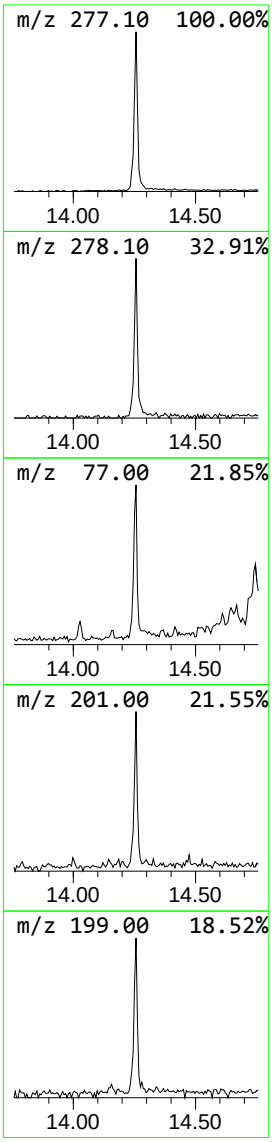
****

Peak Number 6 Triphenylphosphine oxide Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	4.99 ng	133495	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	94
2	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	56
3	2-Phenyl-6-(trifluoromethyl)-1H-...	277	C15H10F3NO	1000387-59-3	47
4	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	43
5	(Carbethoxymethyl)-triphenylphos...	428	C22H22BrO2P	001530-45-6	40





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

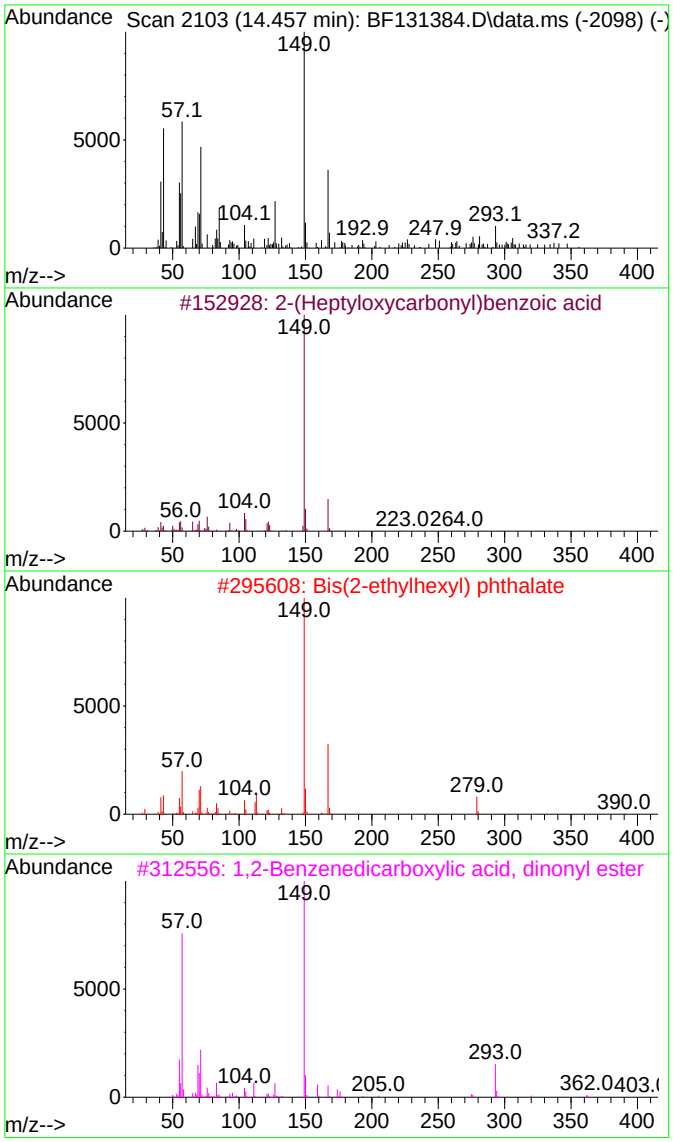
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

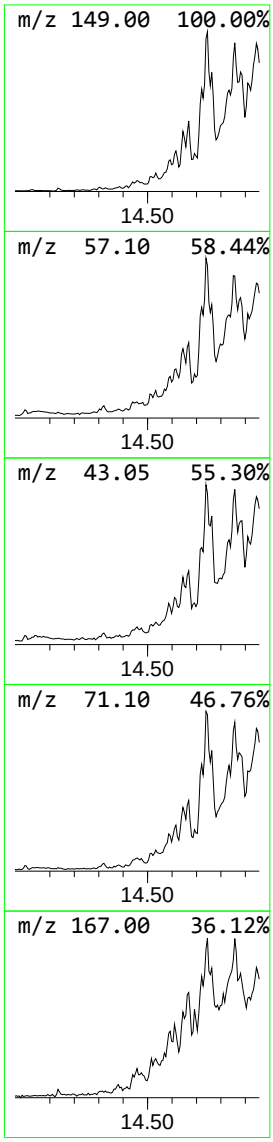
****

Peak Number 7 unknown14.457 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	3.96 ng	106042	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Heptyloxycarbonyl)benzoic acid	264	C15H20O4	024539-58-0	45
2	Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	43
3	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	43
4	Phthalic acid, hept-4-yl nonyl e...	390	C24H38O4	1000356-79-0	43
5	Phthalic acid, nonyl oct-3-yl ester	404	C25H40O4	1010377-71-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131384.D
Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

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

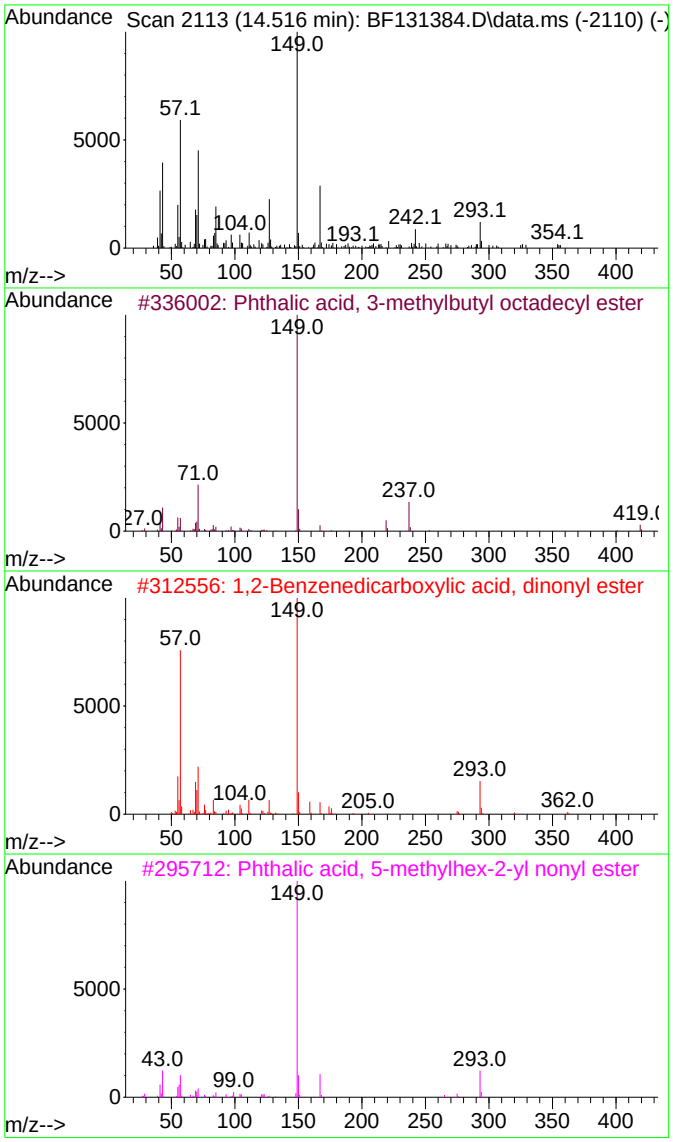
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

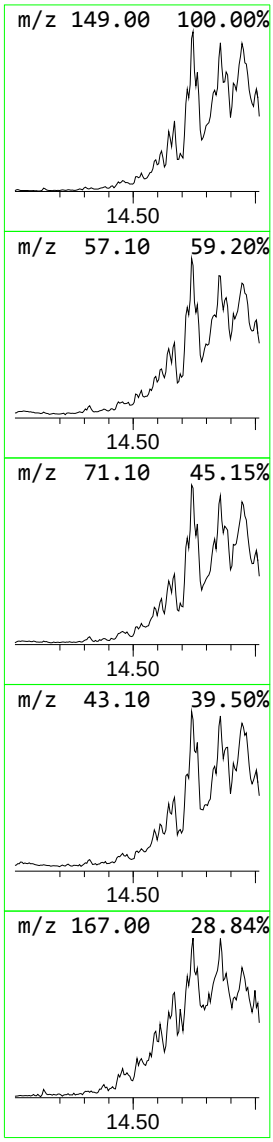
****

Peak Number 8 unknown14.515 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.515	2.98 ng	79814	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 3-methylbutyl oct...	488	C31H52O4	1010356-81-9	47
2	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	46
3	Phthalic acid, 5-methylhex-2-yl ...	390	C24H38O4	1000371-08-5	43
4	Phthalic acid, 3-ethylphenyl iso...	354	C22H26O4	1000357-08-0	38
5	1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	38





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Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-10

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

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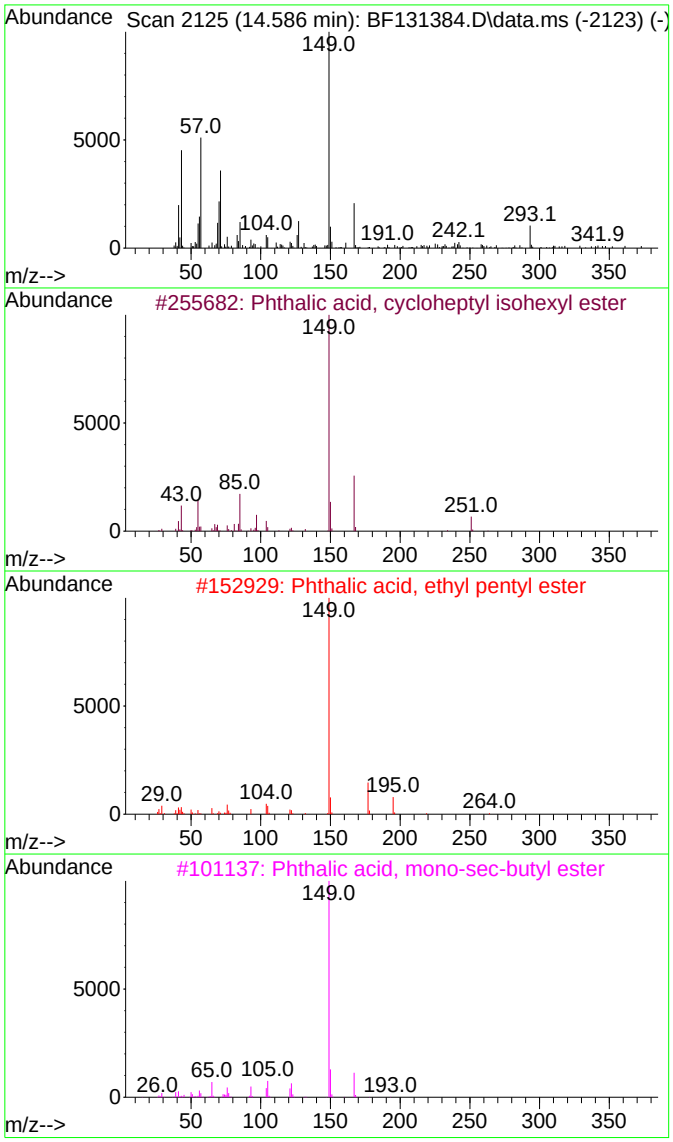
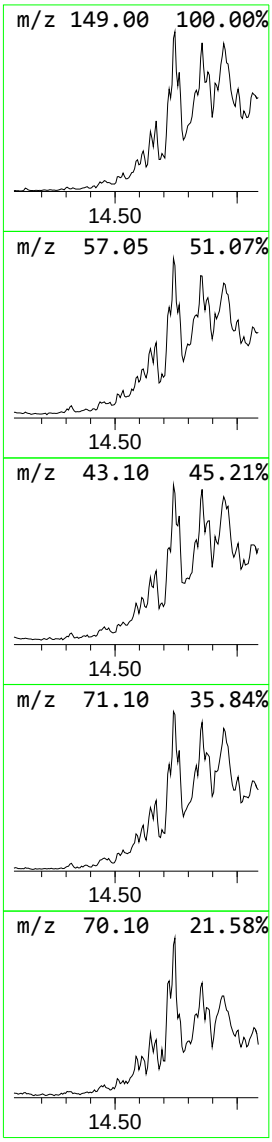
Peak Number 9 Phthalic acid, cycloheptyl ... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.586	3.40 ng	91072	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, cycloheptyl isohe...	346	C21H30O4	1000322-83-1	50
2	Phthalic acid, ethyl pentyl ester	264	C15H20O4	1000308-93-6	50
3	Phthalic acid, mono-sec-butyl ester	222	C12H14O4	053623-59-9	47
4	Dicyclohexyl phthalate	330	C20H26O4	000084-61-7	47
5	Phthalic acid, 4,4-dimethylpent-...	390	C24H38O4	1000371-13-6	47





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Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-10

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

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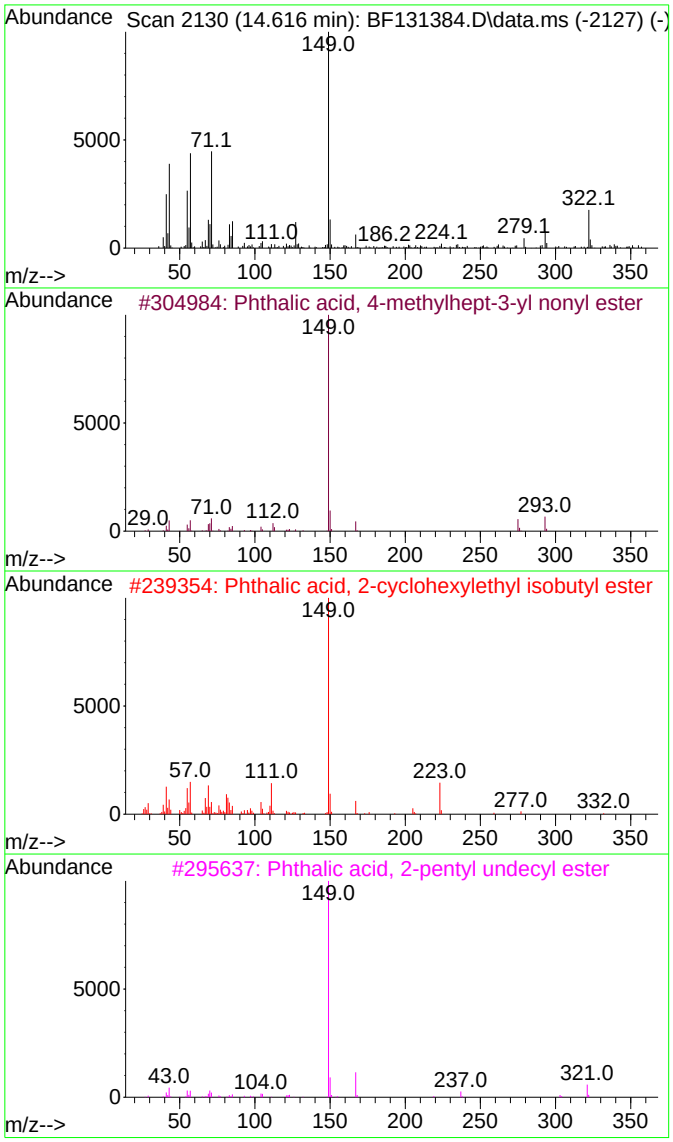
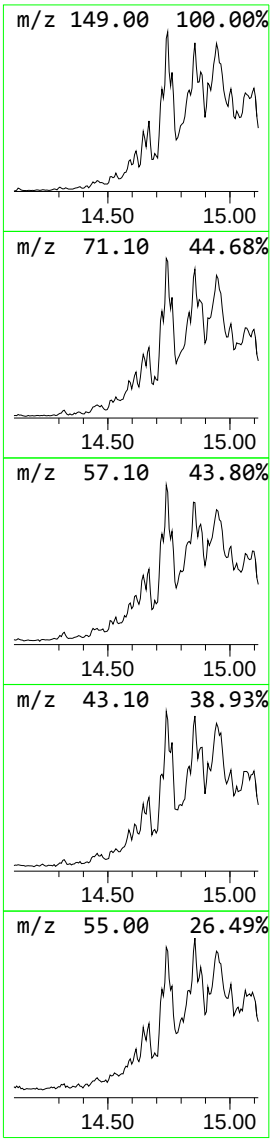
Peak Number 10 Phthalic acid, 4-methylhept... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.616	4.52 ng	121071	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4-methylhept-3-yl...	404	C25H40O4	1000377-94-4	64
2	Phthalic acid, 2-cyclohexylethyl...	332	C20H28O4	1000309-06-9	50
3	Phthalic acid, 2-pentyl undecyl ...	390	C24H38O4	1000315-48-3	47
4	Phthalic acid, 5-methoxy-3-methy...	406	C24H38O5	1000314-89-0	47
5	Phthalic acid, dodecyl 4-methylp...	418	C26H42O4	1000356-88-2	47





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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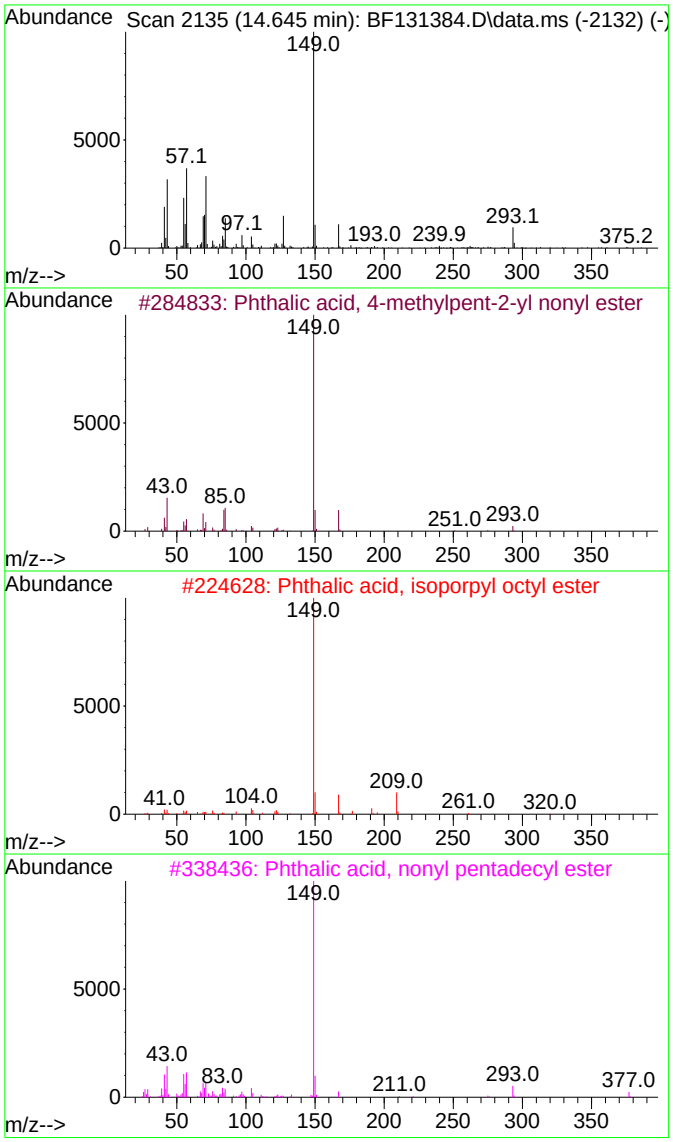
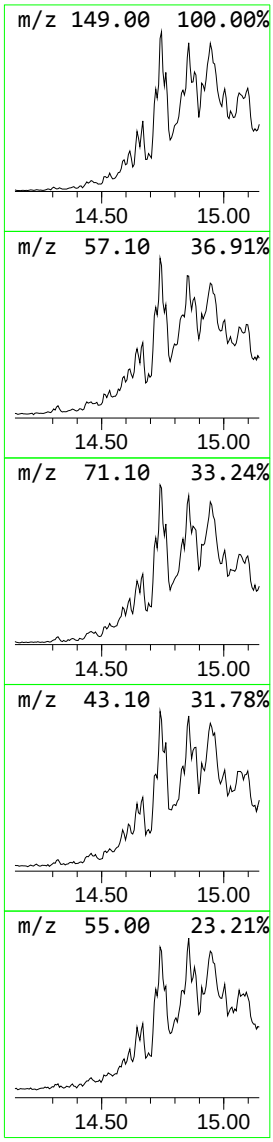
Peak Number 11 Phthalic acid, 4-methylpent... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	11.50 ng	307843	Chrysene-d12	14.163

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, isoporpyl octyl e...	320	C19H28O4	1000315-00-2	58
3	Phthalic acid, nonyl pentadecyl ...	502	C32H54O4	1000308-92-7	58
4	Phthalic acid, 3,3-dimethylbut-2...	306	C18H26O4	1000357-00-1	58
5	Phthalic acid, 3,3-dimethylbut-2...	334	C20H30O4	1010357-00-5	53





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-10

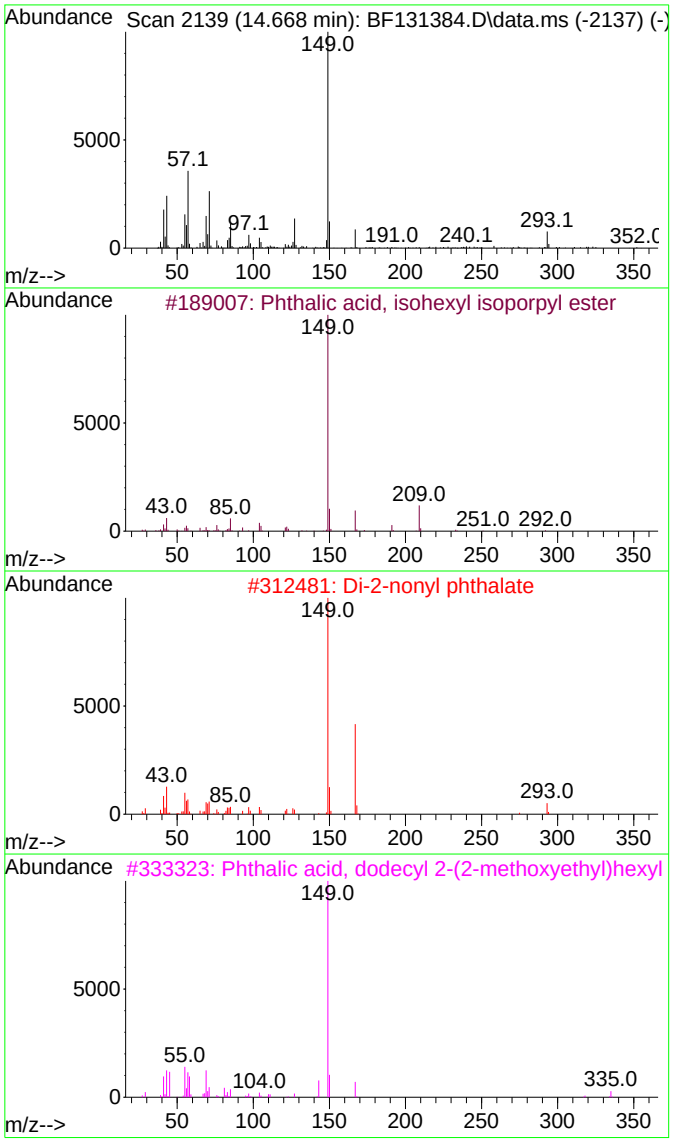
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

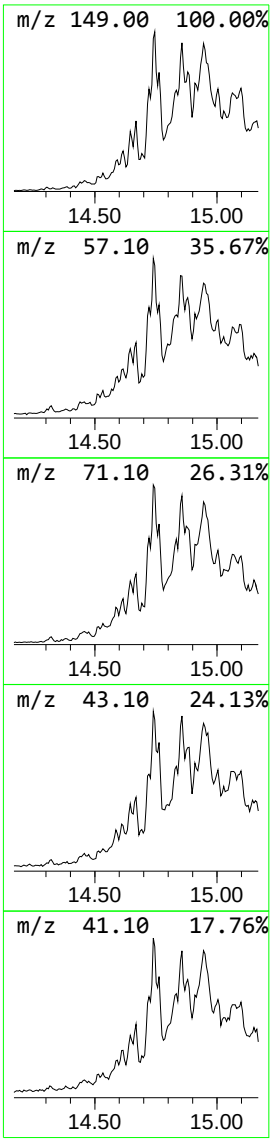
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phthalic acid, isohexyl iso... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.669	9.15 ng	244986	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, isohexyl isoporpy...	292	C17H24O4	1000315-00-4	70
2	Di-2-nonyl phthalate	418	C26H42O4	059431-96-8	58
3	Phthalic acid, dodecyl 2-(2-meth...	476	C29H48O5	1000314-93-6	53
4	Phthalic acid, decyl hex-3-yl ester	390	C24H38O4	1000356-96-1	53
5	Phthalic acid, hexyl 3-methylbut...	320	C19H28O4	1000356-80-7	53





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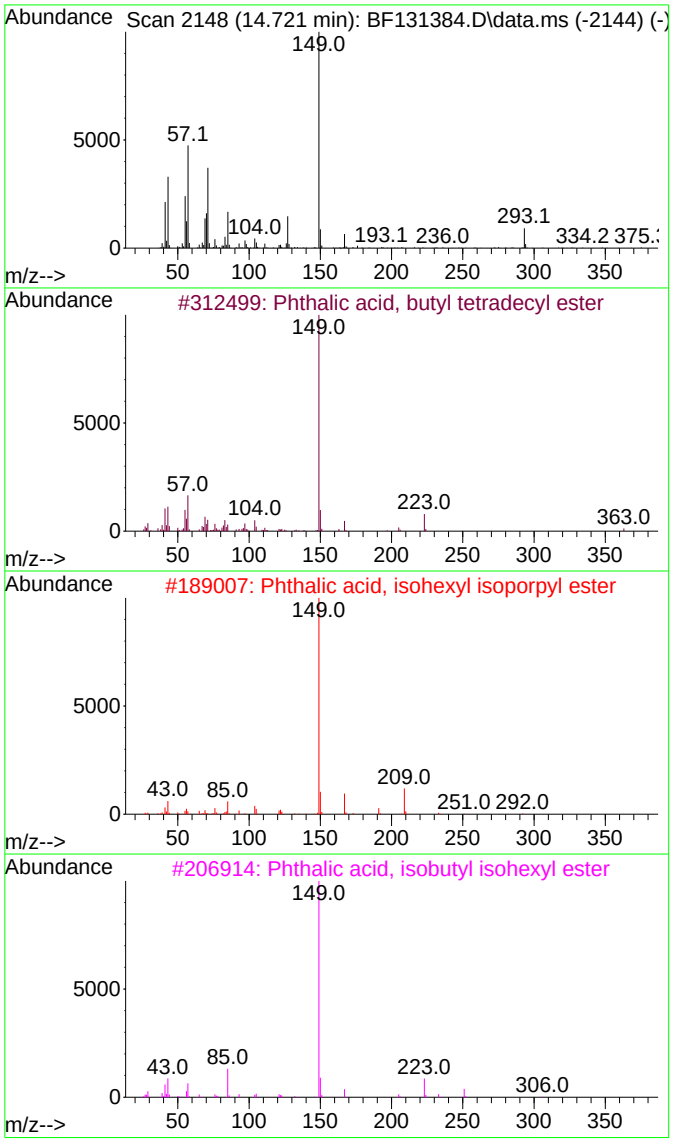
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

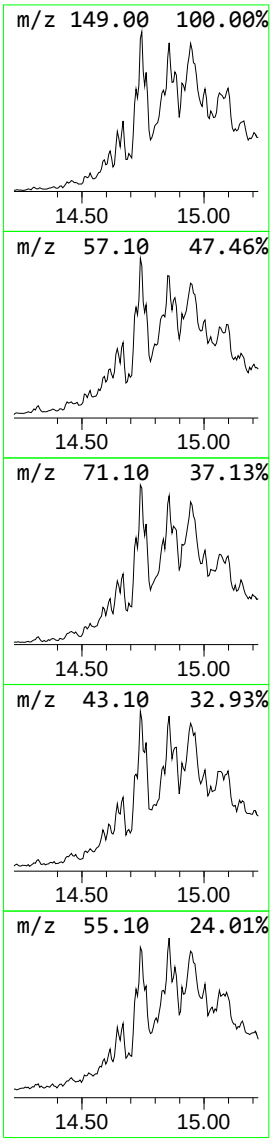
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phthalic acid, butyl tetrad... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.721	21.09 ng	564575	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, butyl tetradecyl ...	418	C26H42O4	1000308-91-3	53
2	Phthalic acid, isohexyl isoporpy...	292	C17H24O4	1000315-00-4	53
3	Phthalic acid, isobutyl isohexyl...	306	C18H26O4	1000308-98-1	52
4	Phthalic acid, isobutyl octadecy...	474	C30H50O4	1000309-06-1	50
5	Phthalic acid, hexadecyl propyl ...	432	C27H44O4	1000309-06-5	50





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Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

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

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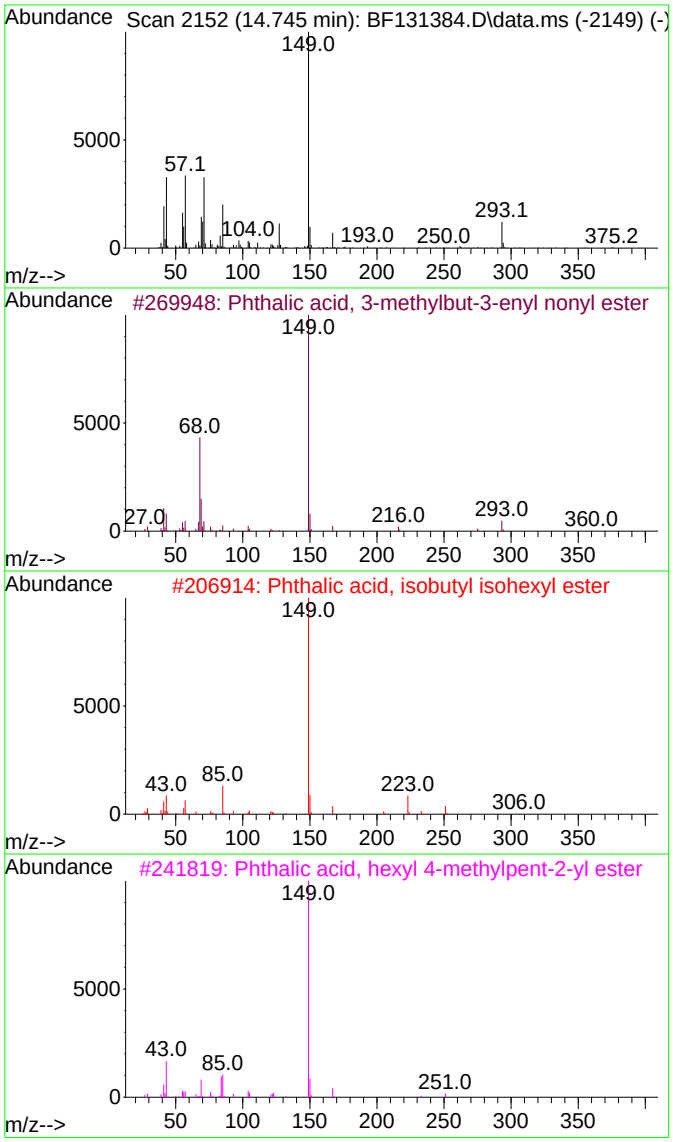
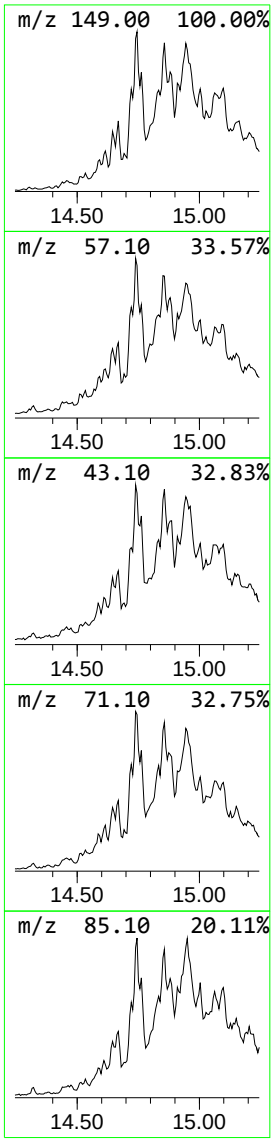
Peak Number 14 Phthalic acid, 3-methylbut-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.745	18.79 ng	502914	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 3-methylbut-3-eny...	360	C22H32O4	1010357-10-7	52
2	Phthalic acid, isobutyl isohexyl...	306	C18H26O4	1000308-98-1	52
3	Phthalic acid, hexyl 4-methylpen...	334	C20H30O4	1000356-87-6	50
4	1,2-Benzenedicarboxylic acid, bi...	306	C18H26O4	000605-50-5	50
5	Phthalic acid, isohexyl 4-methyl...	334	C20H30O4	1010356-87-5	50





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Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-10

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

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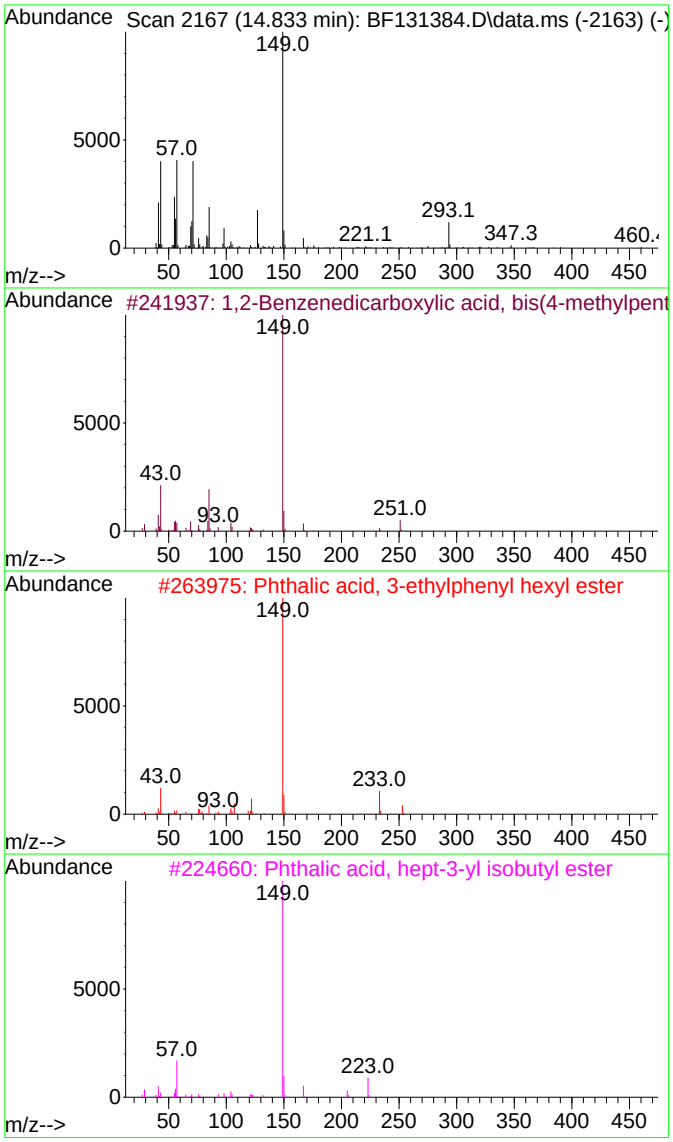
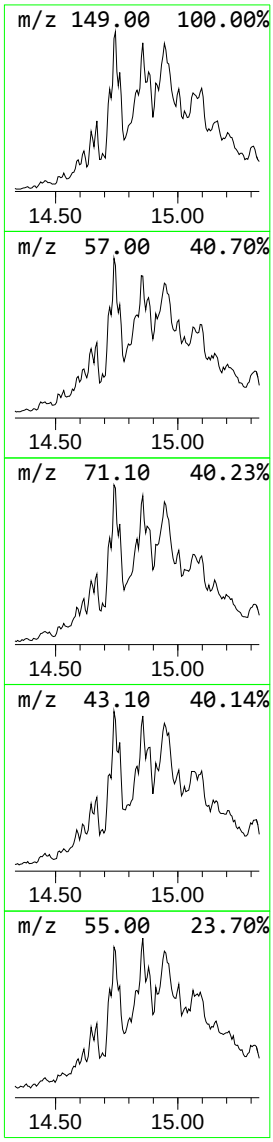
Peak Number 15 unknown14.833 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	11.59 ng	310336	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	43
2	Phthalic acid, 3-ethylphenyl hex...	354	C22H26O4	1000357-08-1	38
3	Phthalic acid, hept-3-yl isobuty...	320	C19H28O4	1000356-98-6	38
4	1,2-Benzenedicarboxylic acid, di...	474	C30H50O4	003648-20-2	38
5	Phthalic acid, 2-methylpent-3-yl...	292	C17H24O4	1000356-90-6	38





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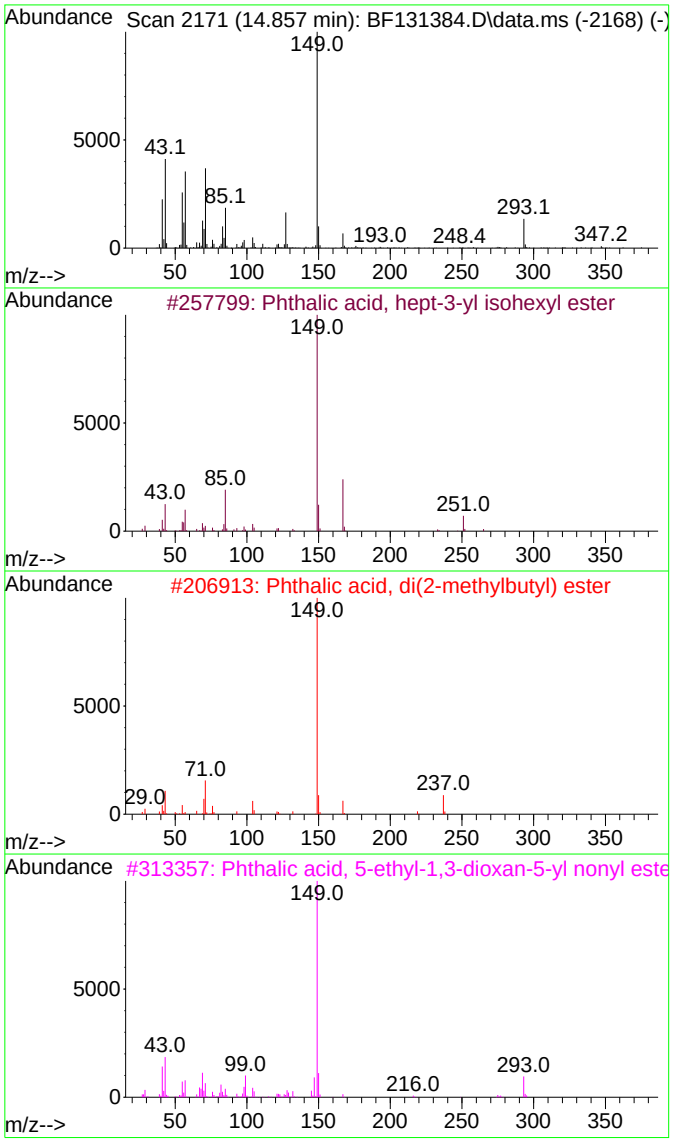
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

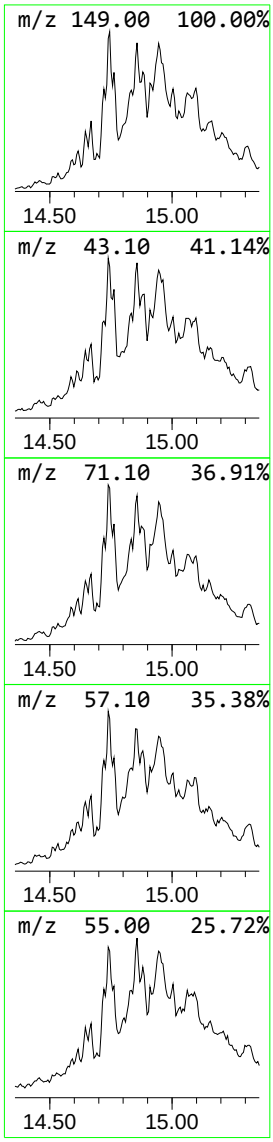
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phthalic acid, hept-3-yl is... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.857	17.64 ng	472313	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hept-3-yl isohexy...	348	C21H32O4	1000356-98-9	53
2	Phthalic acid, di(2-methylbutyl)...	306	C18H26O4	1000322-82-5	53
3	Phthalic acid, 5-ethyl-1,3-dioxa...	420	C24H36O6	1000415-48-5	53
4	Phthalic acid, 3,4-dichloropheny...	380	C19H18Cl2O4	1000315-69-2	50
5	1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	50





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ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId :
SOIL-PILE-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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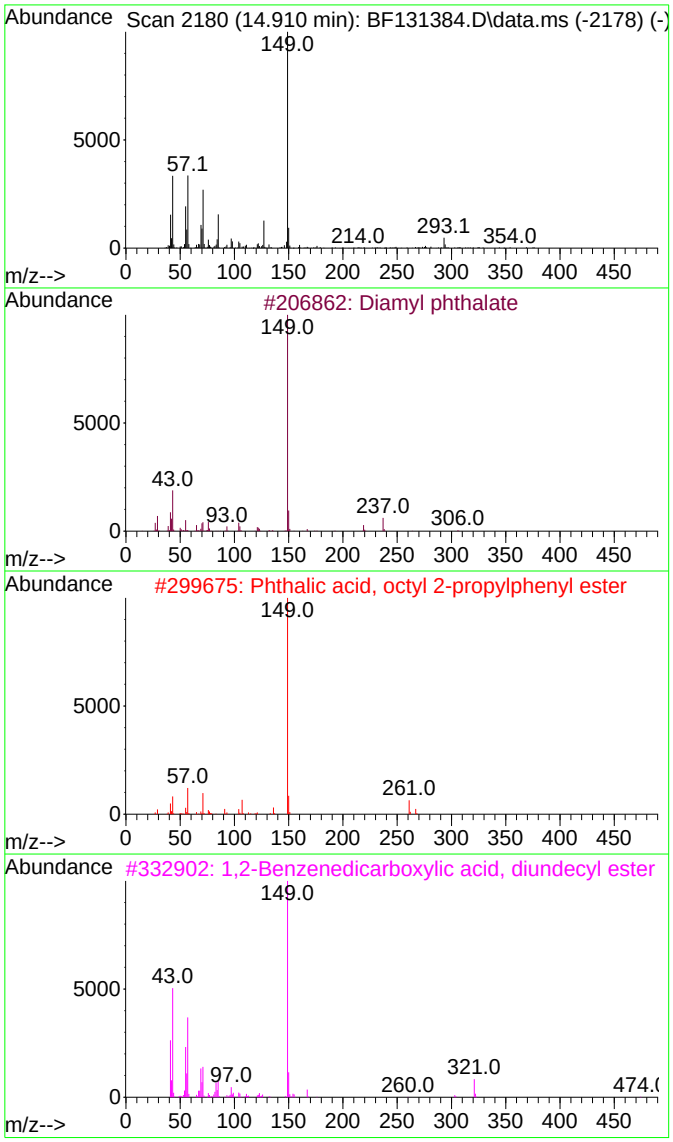
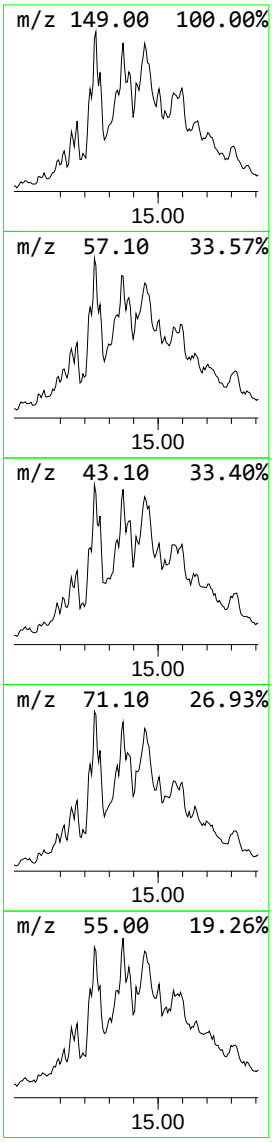
Peak Number 17 Diamyl phthalate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.910	9.46 ng	253187	Chrysene-d12	14.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diamyl phthalate	306	C18H26O4	000131-18-0	60
2	Phthalic acid, octyl 2-propylphe...	396	C25H32O4	1000357-02-4	59
3	1,2-Benzenedicarboxylic acid, di...	474	C30H50O4	003648-20-2	59
4	Phthalic acid, 4-methylpent-2-yl...	376	C23H36O4	1000356-87-9	59
5	Phthalic acid, nonyl pentadecyl ...	502	C32H54O4	1000308-92-7	53





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

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

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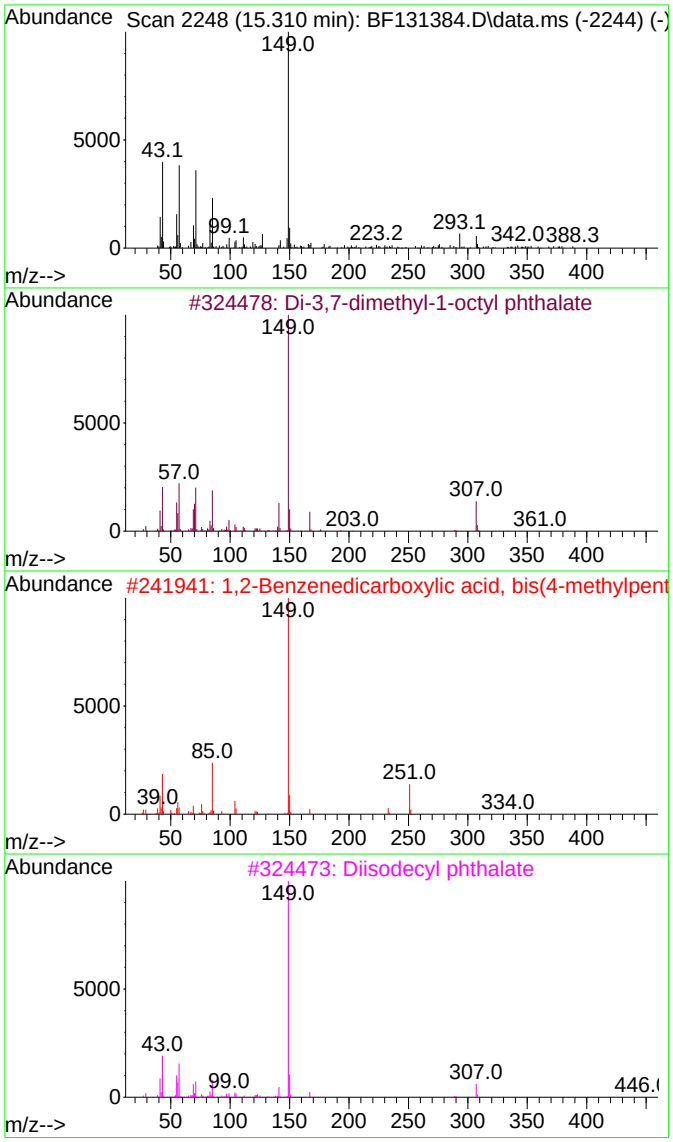
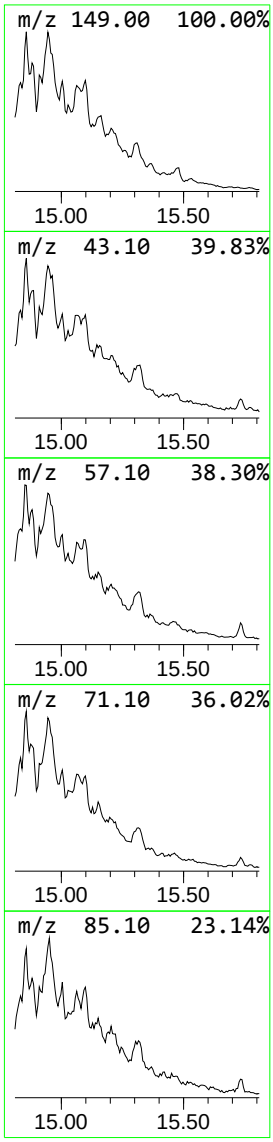
Peak Number 18 Di-3,7-dimethyl-1-octyl pht... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	20.88 ng	382882	Perylene-d12	15.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-3,7-dimethyl-1-octyl phthalate	446	C28H46O4	316808-86-3	64
2	1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	58
3	Diisodecyl phthalate	446	C28H46O4	000089-16-7	53
4	Phthalic acid, 5-methoxy-3-methy...	406	C24H38O5	1000314-89-0	53
5	Phthalic acid, 2,2-dimethylpent-...	418	C26H42O4	1000415-53-4	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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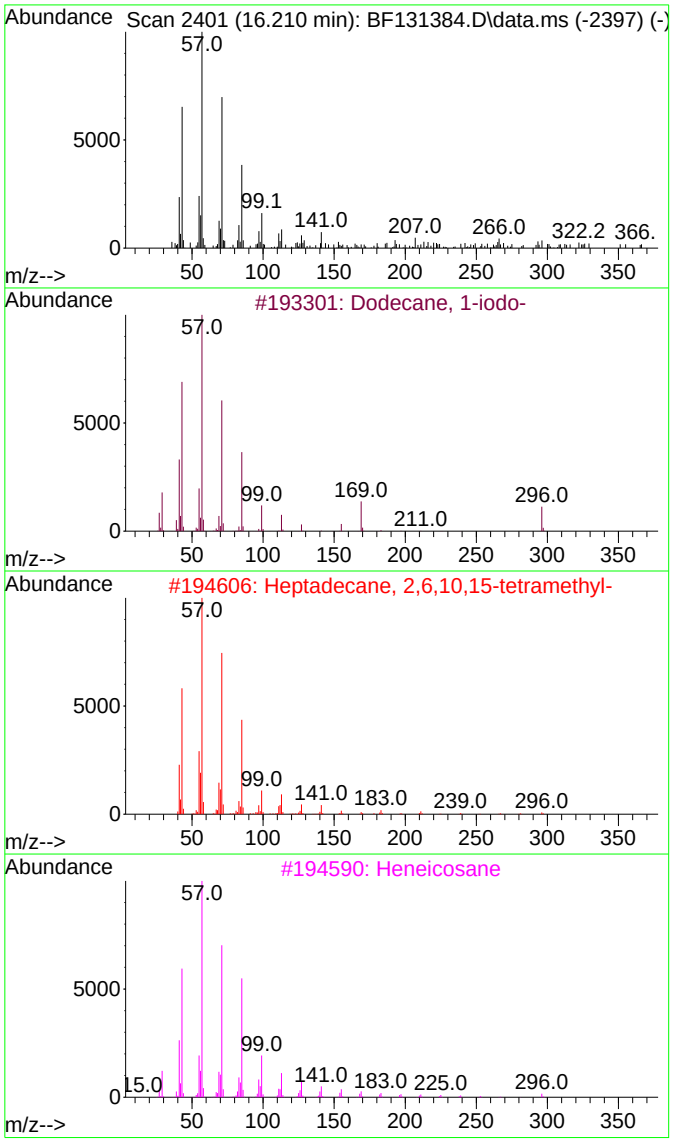
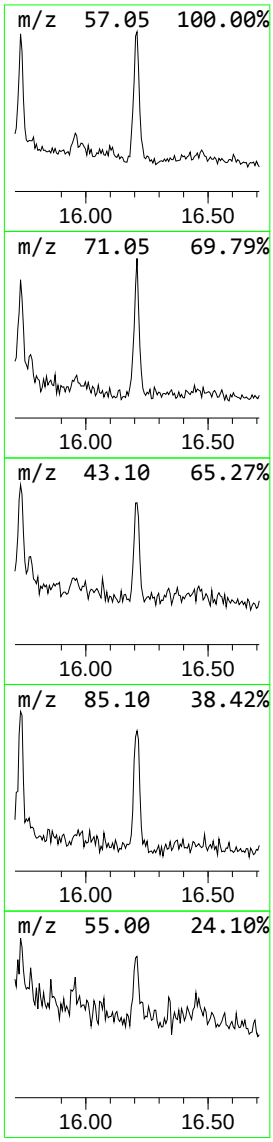
Peak Number 19 Dodecane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.209	4.62 ng	84735	Perylene-d12	15.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	89
5	Tricosane	324	C23H48	000638-67-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131384.D
Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

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

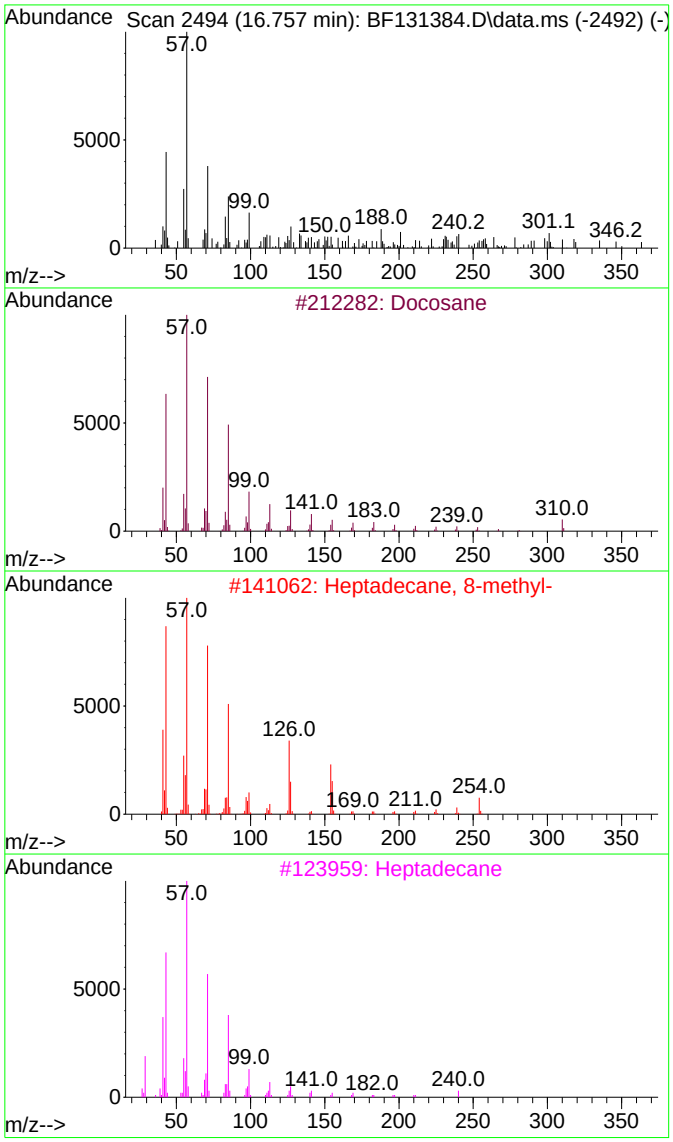
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

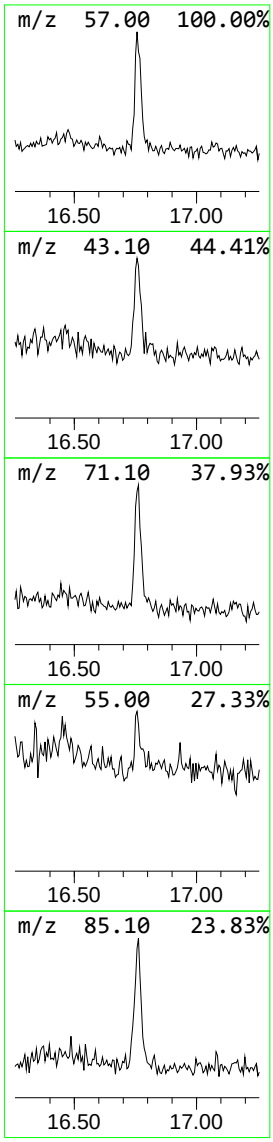
****

Peak Number 20 unknown16.757 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.757	4.61 ng	84634	Perylene-d12	15.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	25
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	20
3	Heptadecane	240	C17H36	000629-78-7	20
4	Octadecane, 3-methyl-	268	C19H40	006561-44-0	20
5	Octadecane, 6-methyl-	268	C19H40	010544-96-4	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131384.D
Acq On : 24 Nov 2022 03:32
Operator : CG\JU
Sample : N5641-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.263	29.2	ng	876317	1	6.951	599426	20.0
2-Pentanone, 4-...	5.175	11.1	ng	332153	1	6.951	599426	20.0
Ethanol, 2-(2-b...	8.134	10.5	ng	355361	2	8.245	678208	20.0
Tris(2-chloropr...	11.357	4.0	ng	115057	4	11.504	574852	20.0
n-Hexadecanoic ...	12.022	5.2	ng	149310	4	11.504	574852	20.0
Triphenylphosph...	14.257	5.0	ng	133495	5	14.163	535393	20.0
unknown14.457	14.457	4.0	ng	106042	5	14.163	535393	20.0
unknown14.515	14.515	3.0	ng	79814	5	14.163	535393	20.0
Phthalic acid, ...	14.586	3.4	ng	91072	5	14.163	535393	20.0
Phthalic acid, ...	14.616	4.5	ng	121071	5	14.163	535393	20.0
Phthalic acid, ...	14.645	11.5	ng	307843	5	14.163	535393	20.0
Phthalic acid, ...	14.669	9.2	ng	244986	5	14.163	535393	20.0
Phthalic acid, ...	14.721	21.1	ng	564575	5	14.163	535393	20.0
Phthalic acid, ...	14.745	18.8	ng	502914	5	14.163	535393	20.0
unknown14.833	14.833	11.6	ng	310336	5	14.163	535393	20.0
Phthalic acid, ...	14.857	17.6	ng	472313	5	14.163	535393	20.0
Diamyl phthalate	14.910	9.5	ng	253187	5	14.163	535393	20.0
Di-3,7-dimethyl...	15.310	20.9	ng	382882	6	15.704	366784	20.0
Dodecane, 1-iodo-	16.209	4.6	ng	84735	6	15.704	366784	20.0
unknown16.757	16.757	4.6	ng	84634	6	15.704	366784	20.0