

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
 Data File : BF136413.D
 Acq On : 05 Dec 2023 18:45
 Operator : CG\JU
 Sample : 05047-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

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-BF120523.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136413.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.046	498	503	509	rBV	87803	108563	1.36%	0.071%
2	5.440	565	570	573	rBV	2733272	2577601	32.21%	1.676%
3	6.445	734	741	744	rBV	2334185	2745287	34.31%	1.785%
4	6.545	752	758	761	rBV	2541694	2623402	32.78%	1.706%
5	6.822	797	805	808	rBV2	4006003	3968673	49.60%	2.581%
6	6.969	826	830	834	rBV	2897271	2737419	34.21%	1.780%
7	7.310	883	888	891	rBV	3100562	2739758	34.24%	1.782%
8	7.363	891	897	900	rVV	1979926	1871410	23.39%	1.217%
9	7.628	935	942	950	rBV	2995134	5570241	69.61%	3.622%
10	7.704	950	955	958	rVV	2481324	2674975	33.43%	1.739%
11	7.757	958	964	967	rVB	108858	104309	1.30%	0.068%
12	7.845	971	979	981	rBV	3424395	4222798	52.77%	2.746%
13	8.022	1003	1009	1013	rBV	2297612	2394268	29.92%	1.557%
14	8.110	1013	1024	1027	rVB	6648769	7954492	99.41%	5.173%
15	8.216	1037	1042	1045	rBV	2184092	1891015	23.63%	1.230%
16	8.639	1106	1114	1117	rBV	5284400	5655016	70.67%	3.677%
17	8.798	1135	1141	1144	rBV	5791474	6288143	78.58%	4.089%
18	8.892	1153	1157	1160	rVB	110519	95376	1.19%	0.062%
19	9.110	1186	1194	1197	rBV	4360208	4047636	50.58%	2.632%
20	9.157	1197	1202	1205	rVV	4465304	4003953	50.04%	2.604%
21	9.198	1205	1209	1212	rVB	171497	158641	1.98%	0.103%
22	9.281	1218	1223	1233	rVB	1690843	1921916	24.02%	1.250%
23	9.633	1275	1283	1285	rBV	2613457	2845766	35.56%	1.851%
24	9.698	1288	1294	1297	rBV	3324440	2806025	35.07%	1.825%
25	9.833	1313	1317	1320	rBV	1056066	943854	11.80%	0.614%
26	9.875	1320	1324	1327	rVB	3340452	3038541	37.97%	1.976%
27	10.045	1344	1353	1356	rBV	5704830	6627583	82.83%	4.310%
28	10.275	1382	1392	1394	rBV	5162175	5699150	71.22%	3.706%
29	10.386	1406	1411	1415	rVB2	5509936	5731399	71.63%	3.727%
30	10.628	1445	1452	1462	rBV	2377004	2305547	28.81%	1.499%
31	10.875	1489	1494	1497	rVB	2762689	2553699	31.91%	1.661%
32	11.133	1533	1538	1542	rBV	2792649	2674150	33.42%	1.739%
33	11.327	1567	1571	1573	rBV	975083	1048393	13.10%	0.682%
34	11.357	1573	1576	1579	rVV	3857654	3300607	41.25%	2.146%
35	11.410	1579	1585	1588	rVB	4667086	4081453	51.01%	2.654%
36	11.569	1606	1612	1615	rBV	4000979	3794123	47.42%	2.467%

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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

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37	11.863	1658	1662	1672	rBV2	735100	809660	10.12%	0.526%
38	12.145	1707	1710	1715	rVB	139081	131618	1.64%	0.086%
39	12.433	1757	1759	1766	rVB	244637	215719	2.70%	0.140%
40	12.557	1771	1780	1782	rBV	6077374	6868165	85.83%	4.466%
41	12.580	1782	1784	1788	rVB	106833	86640	1.08%	0.056%
42	12.651	1792	1796	1801	rBV	400655	388613	4.86%	0.253%
43	12.692	1801	1803	1808	rVB	105235	91237	1.14%	0.059%
44	12.780	1812	1818	1821	rBV	5384558	6323073	79.02%	4.112%
45	12.921	1837	1842	1845	rBV	4194607	3970312	49.62%	2.582%
46	13.974	2015	2021	2023	rBV	7403700	8001901	100.00%	5.203%
47	14.004	2023	2026	2029	rVB	2635381	2355550	29.44%	1.532%
48	14.580	2120	2124	2128	rBV	2406726	2051064	25.63%	1.334%
49	15.027	2193	2200	2203	rBV	2568253	3684737	46.05%	2.396%
50	15.057	2203	2205	2209	rVV	2199427	2050353	25.62%	1.333%
51	15.110	2210	2214	2218	rVB	182138	200991	2.51%	0.131%
52	15.451	2267	2272	2277	rBV	415504	512082	6.40%	0.333%
53	15.957	2352	2358	2364	rBV	212237	317512	3.97%	0.206%
54	16.786	2493	2499	2509	rBV3	61927	123119	1.54%	0.080%
55	17.139	2549	2559	2567	rVB7	69549	205890	2.57%	0.134%
56	17.315	2581	2589	2594	rBV7	39317	94710	1.18%	0.062%
57	17.415	2595	2606	2617	rBV	648847	1493657	18.67%	0.971%

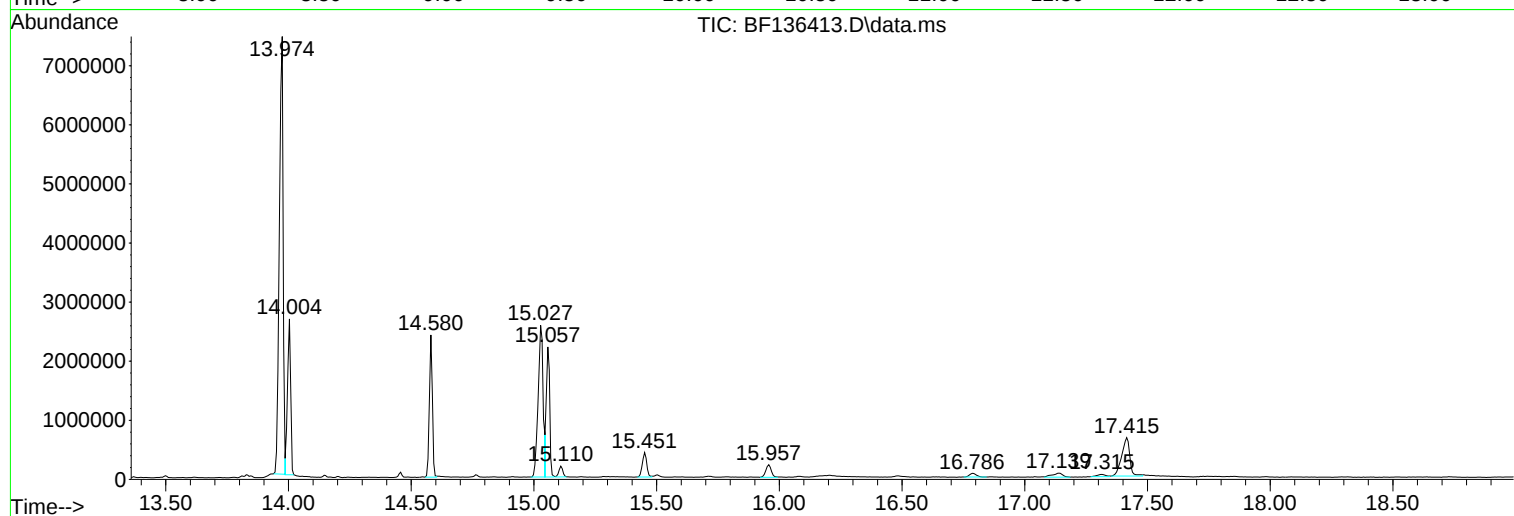
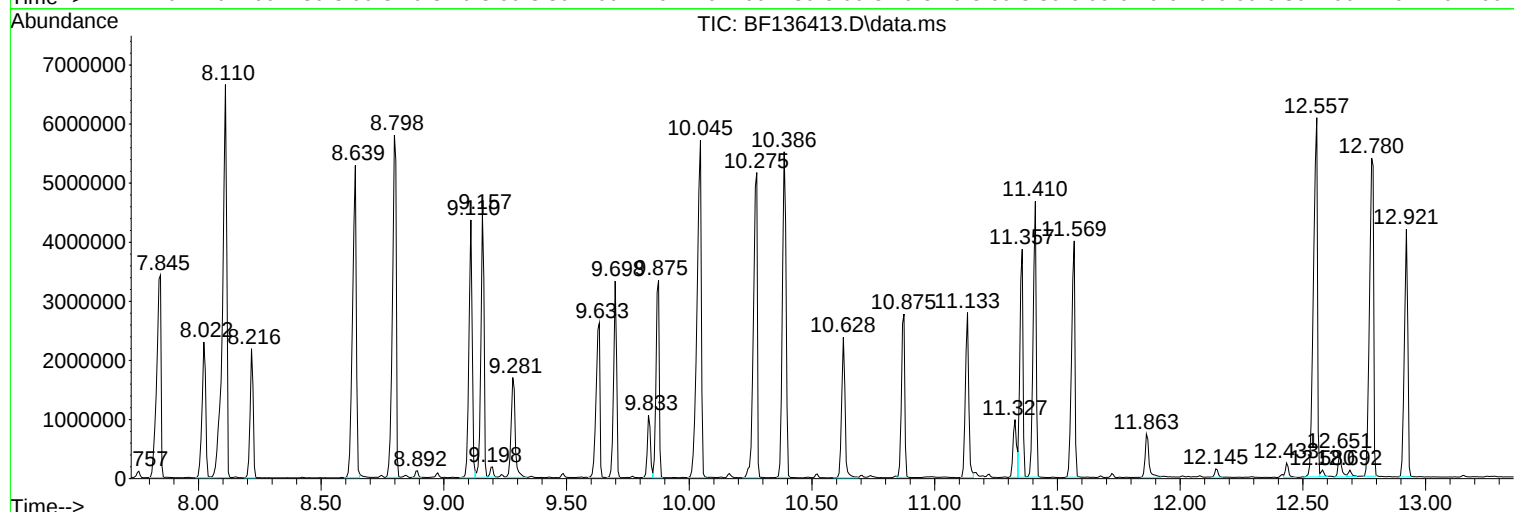
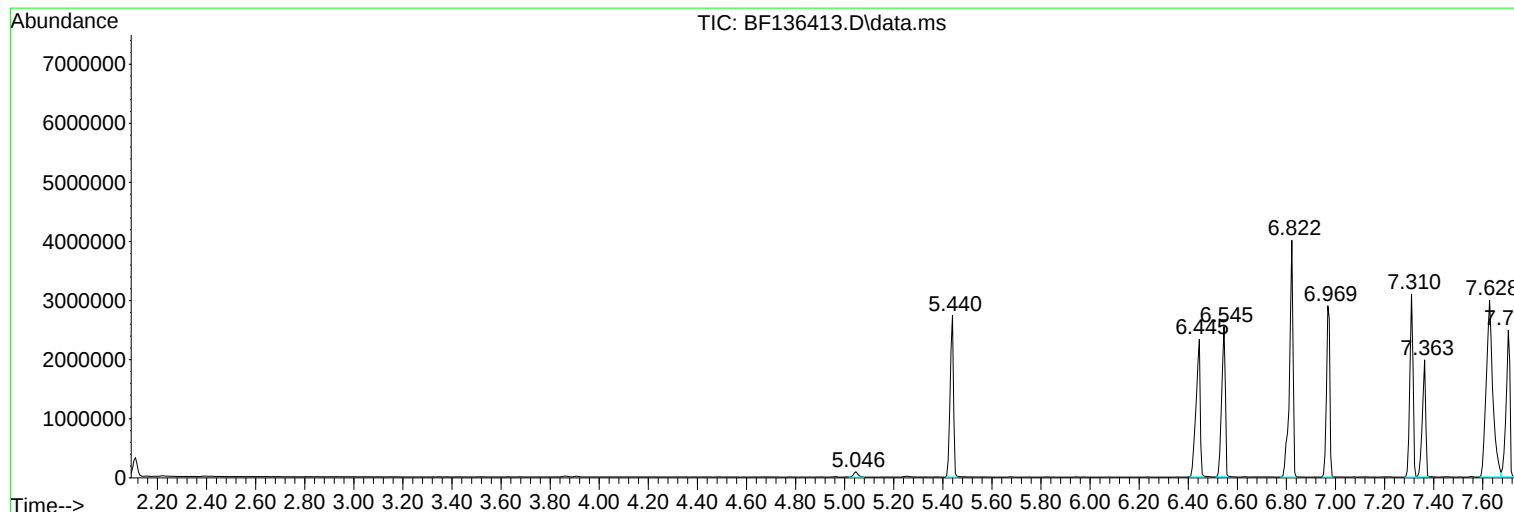
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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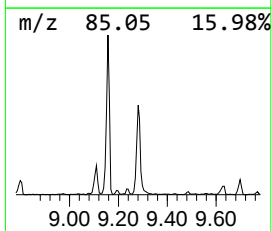
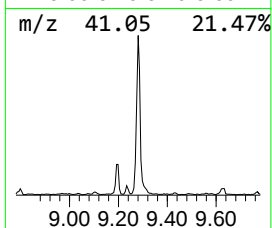
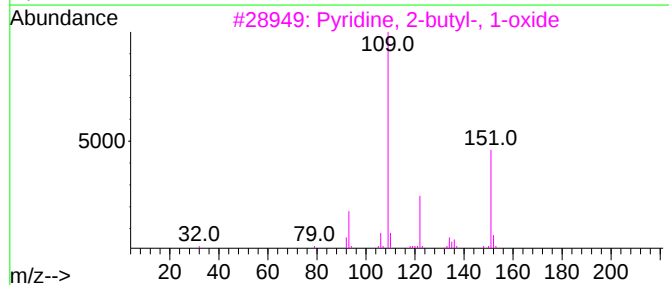
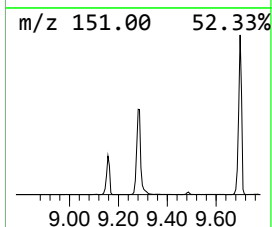
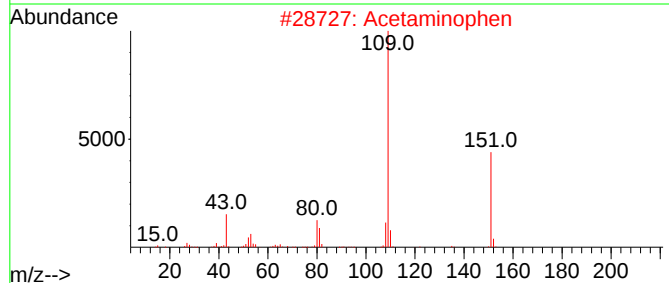
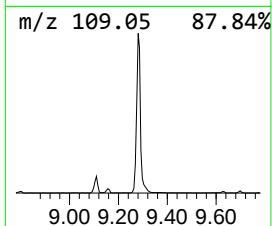
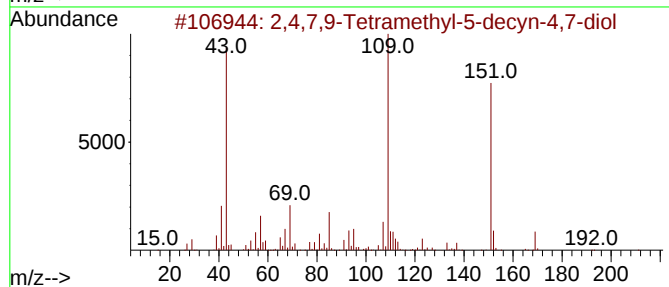
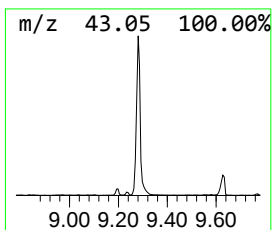
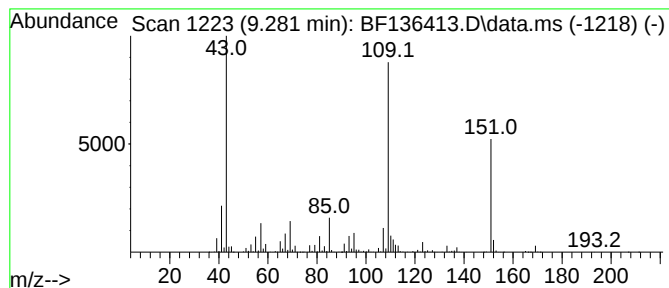
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.281	40.72 ng	1921920	Acenaphthene-d10	9.833

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91	
2	Acetaminophen	151	C8H9NO2	000103-90-2	59	
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	59	
4	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	59	
5	Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	59	



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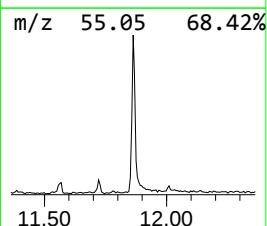
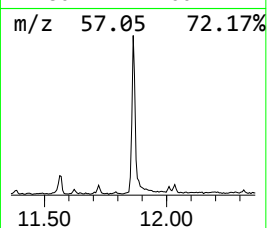
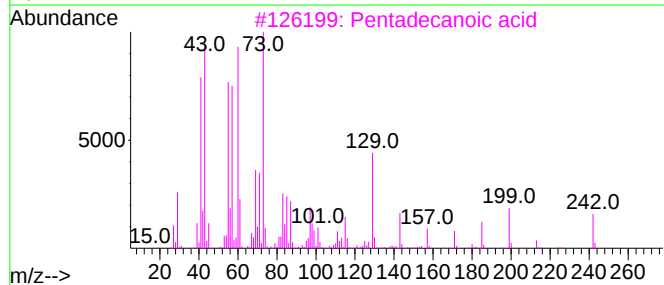
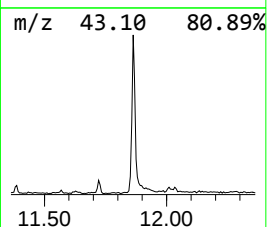
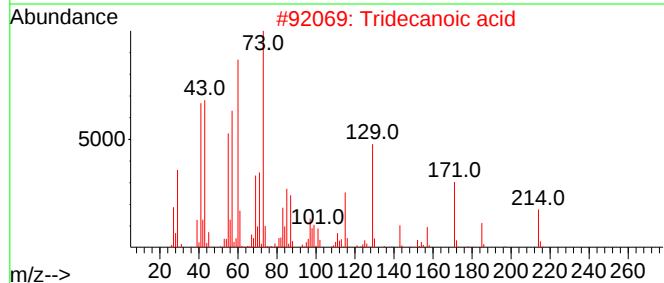
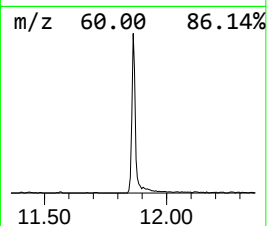
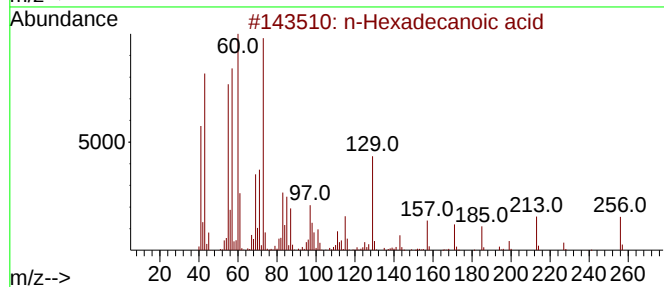
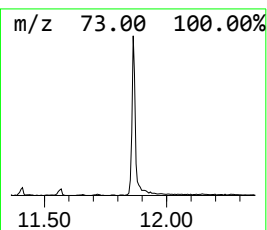
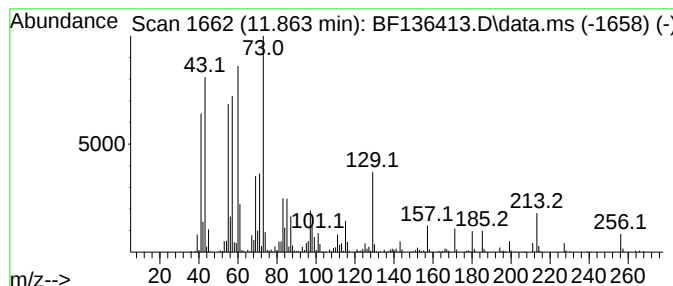
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	15.45 ng	809660	Phenanthrene-d10	11.328

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	95
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			Dodecanoic acid	200	C12H24O2	000143-07-7	59



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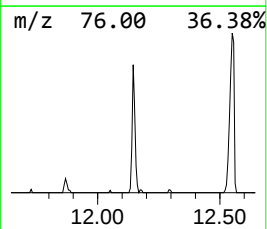
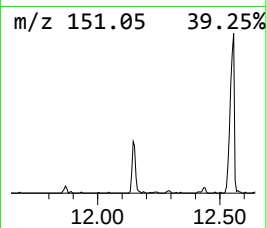
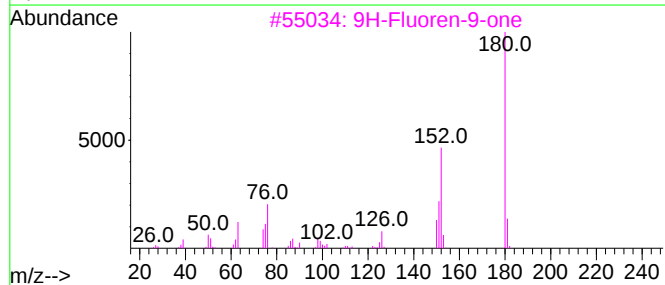
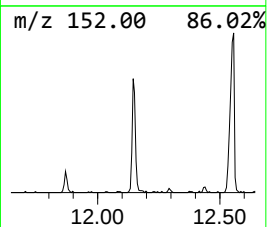
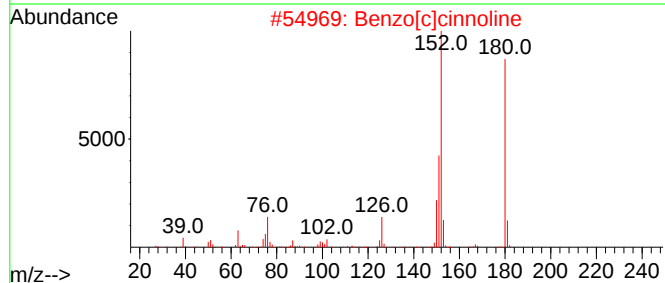
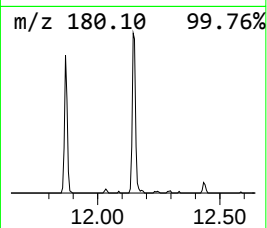
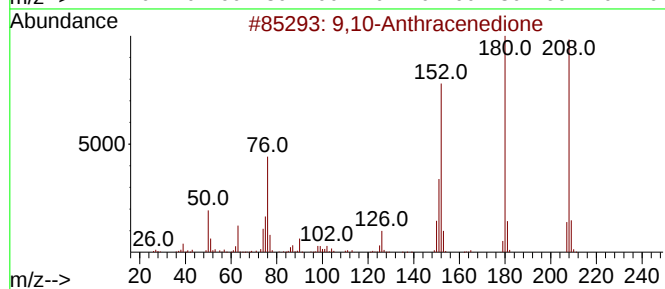
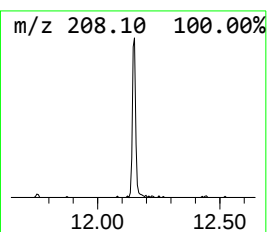
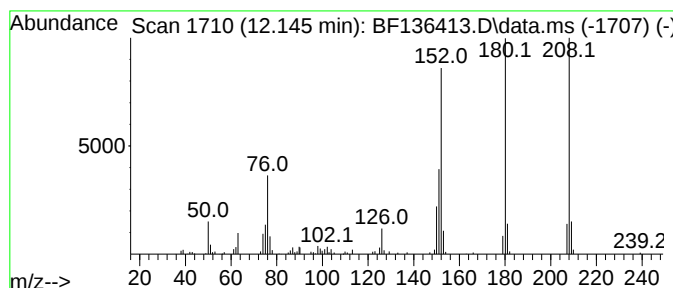
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.145	2.51 ng	131618	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione			208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline			180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one			180	C13H8O	000486-25-9	86
4	1H-Phenalen-1-one			180	C13H8O	000548-39-0	60
5	Diphenic anhydride			224	C14H8O3	006050-13-1	58



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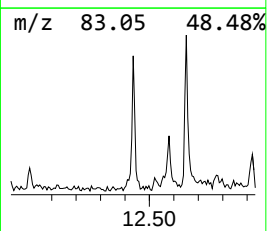
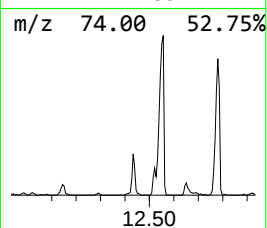
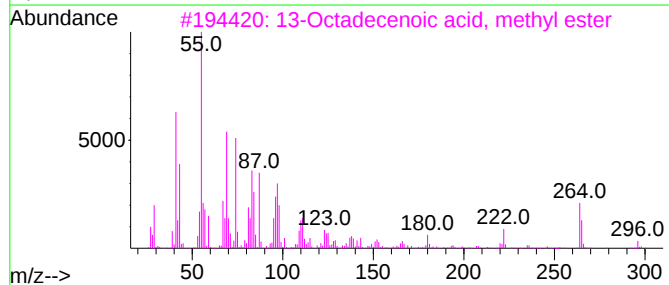
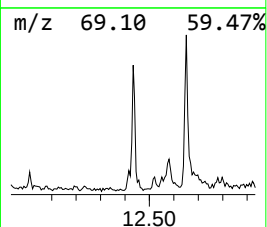
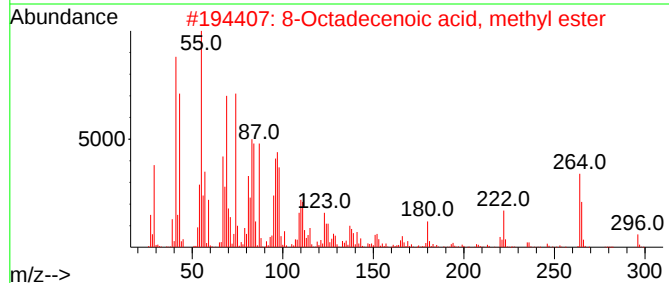
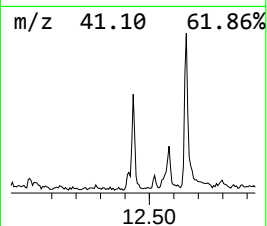
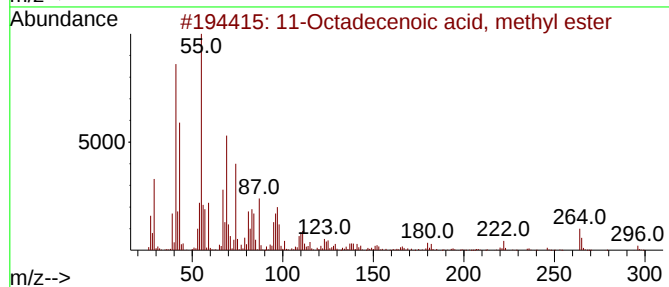
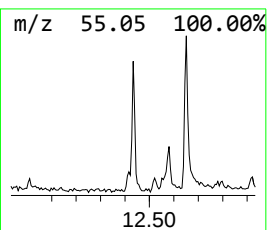
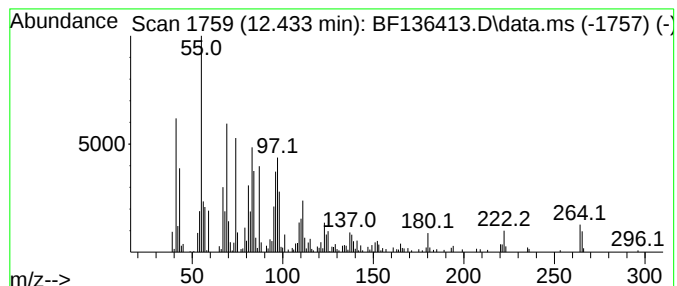
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 11-Octadecenoic acid, methyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	4.12 ng	215719	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
2			8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
3			13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4			14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5			7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	99



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ClientSampleId :
PT-BNA-SOIL

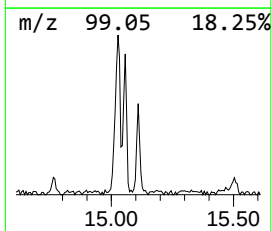
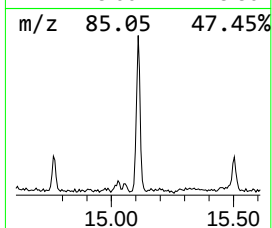
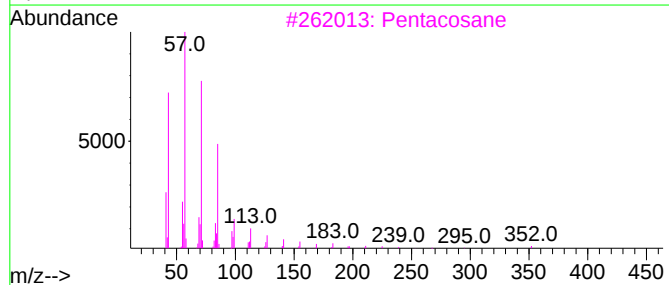
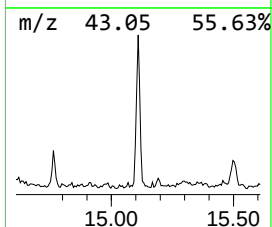
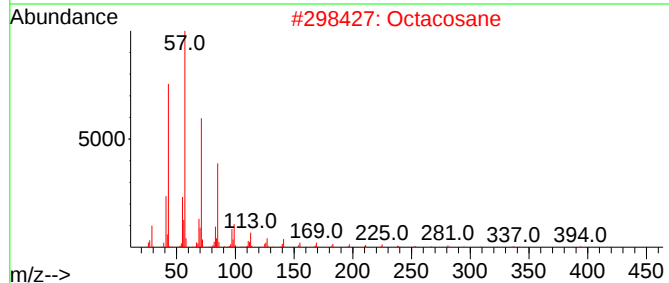
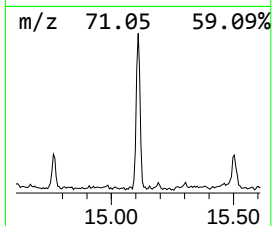
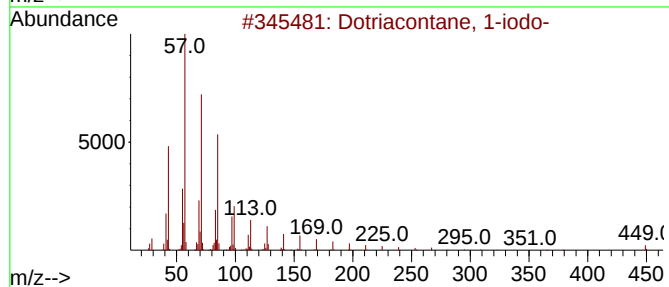
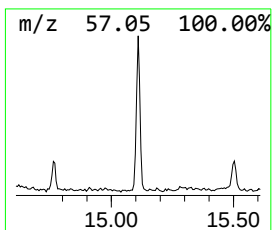
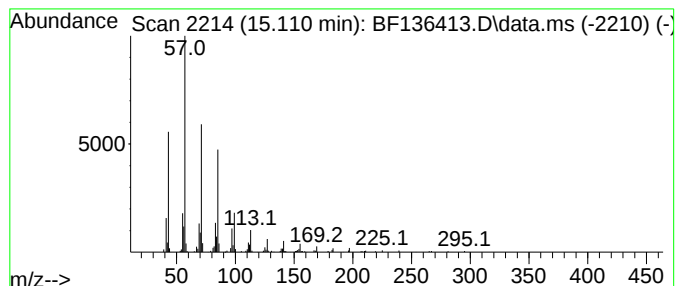
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dotriacontane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	7.85 ng	200991	Perylene-d12	15.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
2			Octacosane	394	C28H58	000630-02-4	91
3			Pentacosane	352	C25H52	000629-99-2	91
4			Heptadecane	240	C17H36	000629-78-7	91
5			Hexacosane	366	C26H54	000630-01-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
Data File : BF136413.D
Acq On : 05 Dec 2023 18:45
Operator : CG\JU
Sample : 05047-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

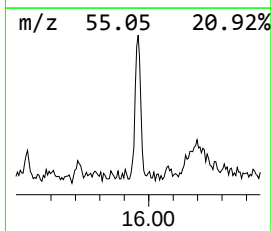
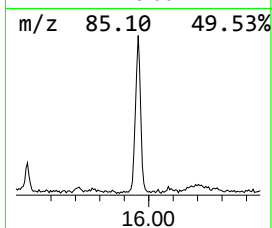
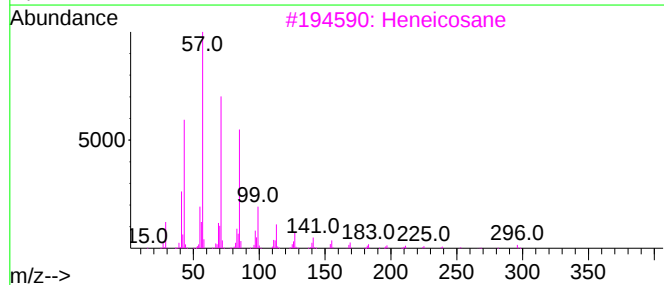
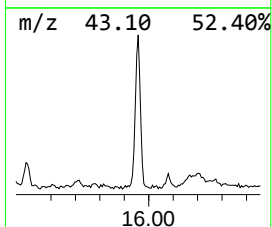
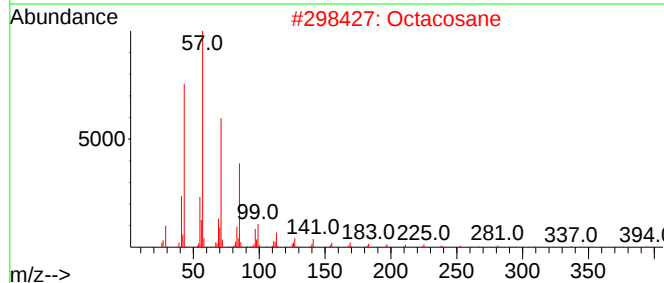
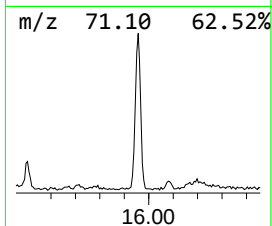
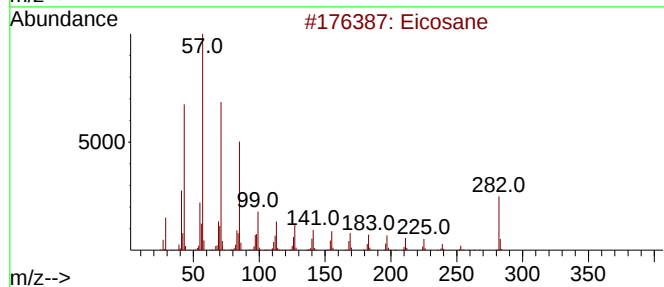
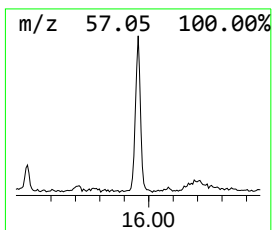
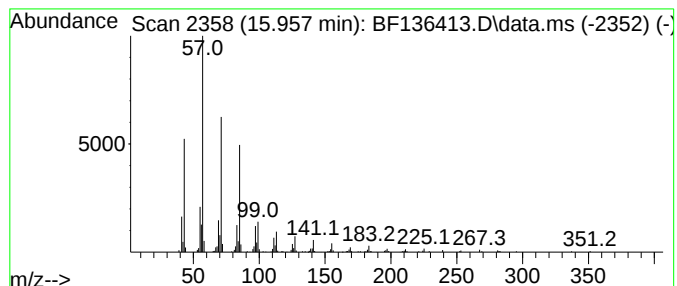
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.957	12.40 ng	317512	Perylene-d12	15.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	91
2			Octacosane	394	C28H58	000630-02-4	91
3			Heneicosane	296	C21H44	000629-94-7	91
4			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5			4-Methylheneicosane	310	C22H46	025117-29-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
Data File : BF136413.D
Acq On : 05 Dec 2023 18:45
Operator : CG\JU
Sample : 05047-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

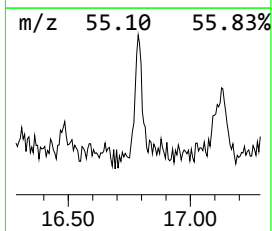
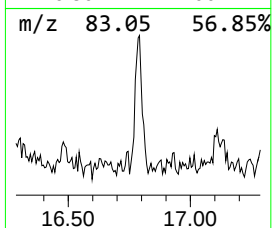
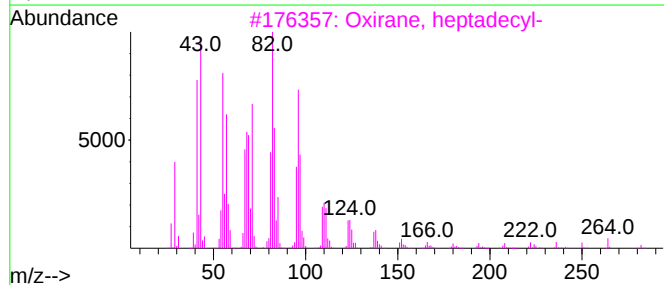
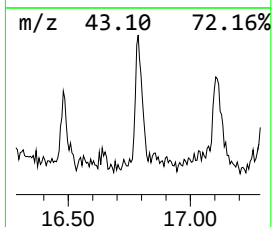
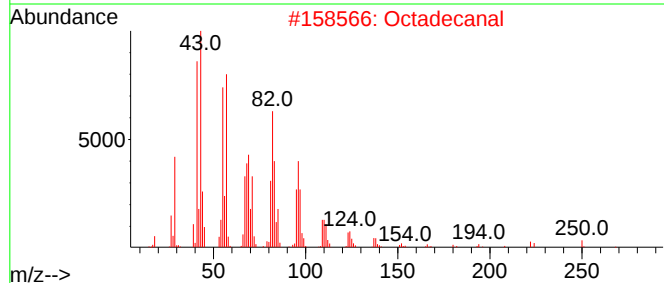
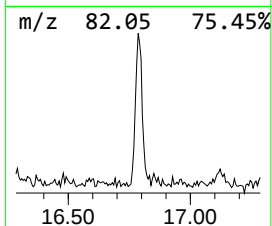
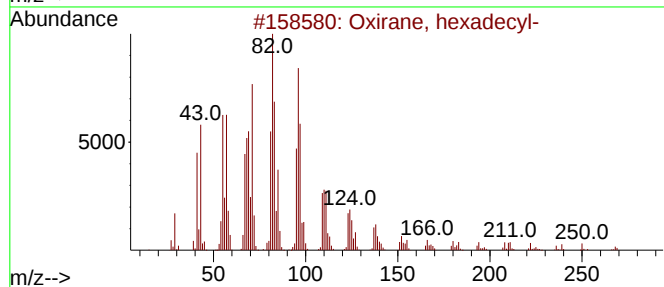
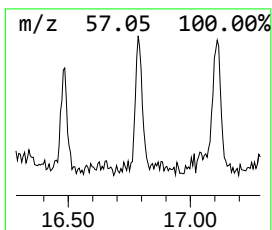
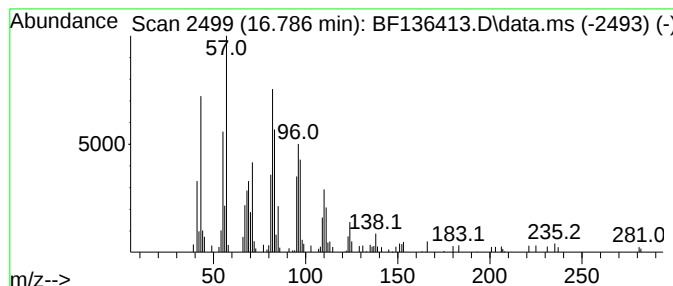
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Oxirane, hexadecyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.786	4.81 ng	123119	Perylene-d12	15.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
2			Octadecanal	268	C18H36O	000638-66-4	78
3			Oxirane, heptadecyl-	282	C19H38O	067860-04-2	62
4			Eicosanal	296	C20H40O	002400-66-0	53
5			Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
Data File : BF136413.D
Acq On : 05 Dec 2023 18:45
Operator : CG\JU
Sample : 05047-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

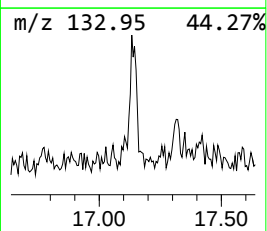
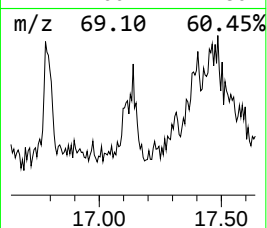
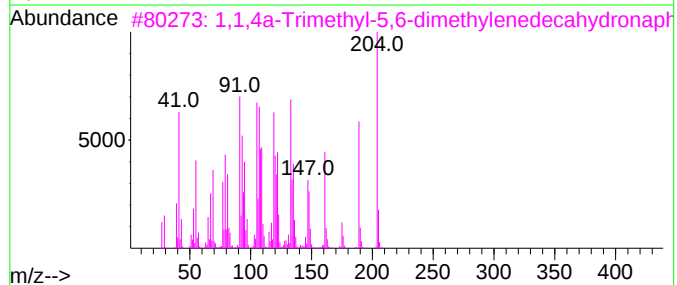
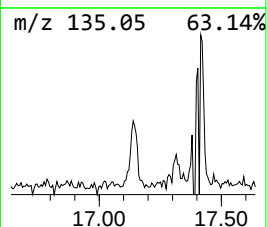
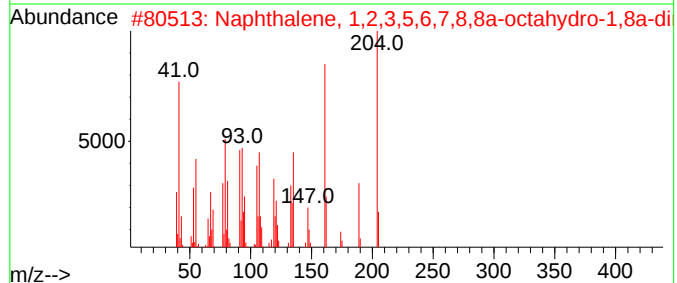
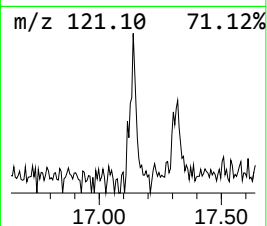
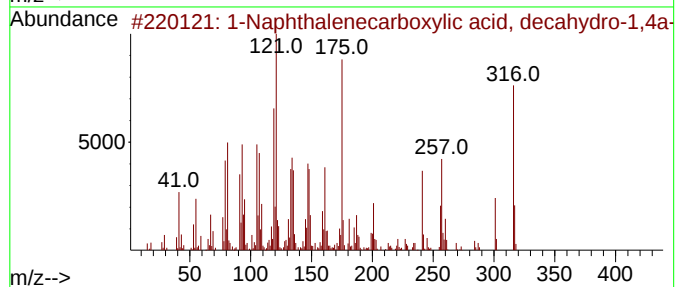
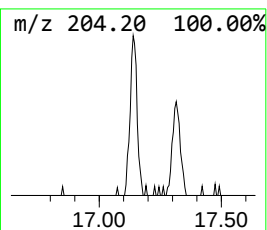
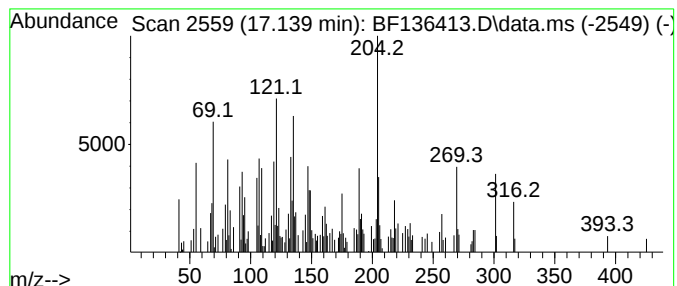
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Naphthalenecarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.139	8.04 ng	205890	Perylene-d12	15.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Naphthalenecarboxylic acid, de...	316	C21H32O2	015798-13-7	55
2			Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	53
3			1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	53
4			1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1010140-07-7	50
5			2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
Data File : BF136413.D
Acq On : 05 Dec 2023 18:45
Operator : CG\JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PT-BNA-SOIL

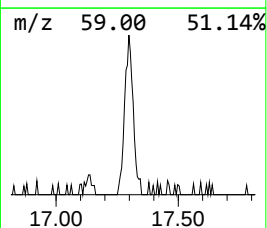
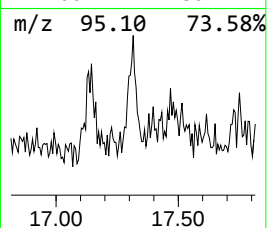
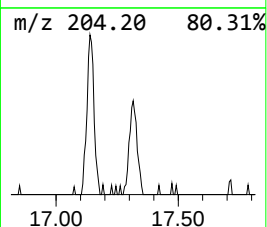
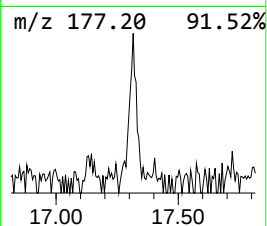
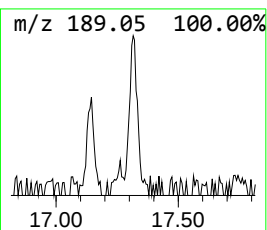
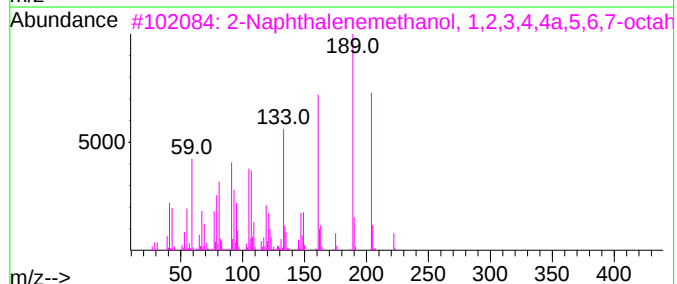
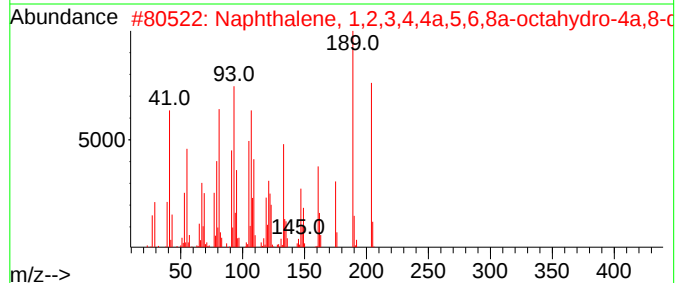
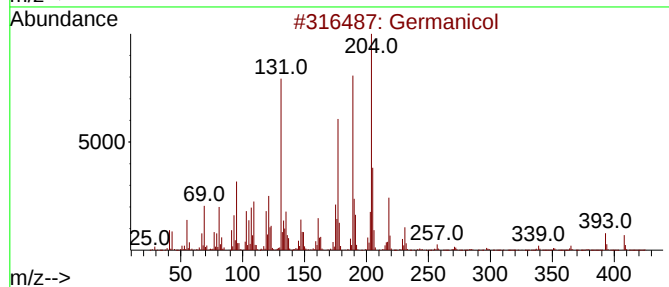
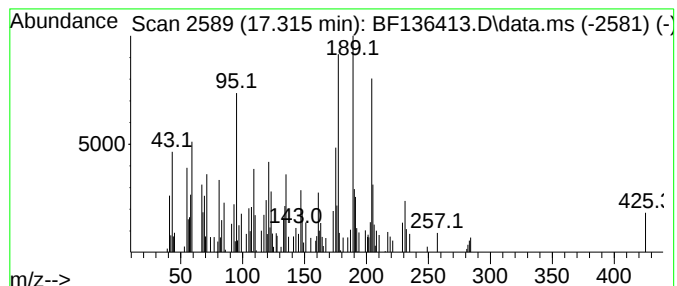
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown17.315 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.315	3.70 ng	94710	Perylene-d12	15.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Germanicol	426	C30H50O	000465-02-1	43
2			Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	38
3			2-Naphthalenemethanol, 1,2,3,4,4...	222	C15H26O	001209-71-8	35
4			Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	27
5			5-Amino-7,8-dimethoxyisoquinoline	204	C11H12N2O2	1000213-88-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
Data File : BF136413.D
Acq On : 05 Dec 2023 18:45
Operator : CG\JU
Sample : 05047-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.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
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n-Hexadecanoic ...	11.863	15.4	ng	809660	4	11.328	1048390	20.0
9,10-Anthracene...	12.145	2.5	ng	131618	4	11.328	1048390	20.0
11-Octadecenoic...	12.433	4.1	ng	215719	4	11.328	1048390	20.0
Dotriacontane, ...	15.110	7.8	ng	200991	6	15.451	512082	20.0
Eicosane	15.957	12.4	ng	317512	6	15.451	512082	20.0
Oxirane, hexade...	16.786	4.8	ng	123119	6	15.451	512082	20.0
1-Naphthaleneca...	17.139	8.0	ng	205890	6	15.451	512082	20.0
unknown17.315	17.315	3.7	ng	94710	6	15.451	512082	20.0