

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
 Data File : BF113805.D
 Acq On : 16 Apr 2019 20:49
 Operator : JU/SJ
 Sample : K2413-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-KY

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF040319.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.298	543	546	570	rBV	416099	865723	82.91%	7.374%
2	6.339	720	723	739	rBV	433073	896475	85.85%	7.636%
3	6.451	739	742	762	rVB	824721	1039313	99.53%	8.853%
4	6.675	776	780	787	rBV	315658	337937	32.36%	2.879%
5	6.828	802	806	824	rBV	777511	783057	74.99%	6.670%
6	7.245	874	877	908	rBV	309266	580012	55.55%	4.941%
7	7.957	995	998	1020	rBV	288554	414600	39.71%	3.532%
8	8.763	1132	1135	1142	rBV	13787	15069	1.44%	0.128%
9	9.028	1177	1180	1194	rBV	1034692	1044199	100.00%	8.895%
10	9.433	1246	1249	1259	rBV	79055	95825	9.18%	0.816%
11	9.704	1292	1295	1310	rBV	393996	413388	39.59%	3.521%
12	10.504	1427	1431	1446	rBV	330896	474647	45.46%	4.043%
13	11.192	1544	1548	1551	rBV	325747	362226	34.69%	3.085%
14	11.216	1551	1552	1555	rVV	110679	88520	8.48%	0.754%
15	11.245	1555	1557	1560	rVV	36015	33988	3.25%	0.290%
16	11.280	1560	1563	1566	rVV2	9280	12149	1.16%	0.103%
17	11.322	1567	1570	1573	rVB3	13493	13060	1.25%	0.111%
18	11.404	1580	1584	1589	rBV2	22769	21777	2.09%	0.185%
19	11.727	1636	1639	1646	rBV2	100041	149306	14.30%	1.272%
20	11.804	1650	1652	1656	rVB2	9477	12029	1.15%	0.102%
21	11.869	1661	1663	1668	rVB3	13075	13335	1.28%	0.114%
22	12.404	1751	1754	1757	rBV	112342	114009	10.92%	0.971%
23	12.433	1757	1759	1761	rVB	16068	16955	1.62%	0.144%
24	12.510	1769	1772	1778	rBV6	21630	34587	3.31%	0.295%
25	12.633	1787	1793	1798	rBV	107572	129286	12.38%	1.101%
26	12.686	1800	1802	1805	rVB3	10261	10608	1.02%	0.090%
27	12.763	1812	1815	1826	rVB	952683	933404	89.39%	7.951%
28	12.963	1847	1849	1852	rVB	12866	12124	1.16%	0.103%
29	12.998	1852	1855	1858	rVB3	13920	13863	1.33%	0.118%
30	13.027	1858	1860	1863	rBV	15263	15659	1.50%	0.133%
31	13.068	1864	1867	1871	rVB3	20070	23649	2.26%	0.201%
32	13.157	1880	1882	1884	rBV2	18073	18962	1.82%	0.162%
33	13.633	1961	1963	1965	rBV2	17097	17820	1.71%	0.152%
34	13.663	1966	1968	1972	rVB	26726	28536	2.73%	0.243%

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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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.827	1991	1996	1999	rBV2	486354	567363	54.33%	4.833%
36	14.286	2071	2074	2077	rBV	72379	65719	6.29%	0.560%
37	14.645	2132	2135	2141	rVB	66017	74932	7.18%	0.638%
38	14.845	2166	2169	2172	rBV	123609	156507	14.99%	1.333%
39	14.886	2172	2176	2182	rVB2	310099	373577	35.78%	3.182%
40	15.127	2214	2217	2220	rBV	61749	67040	6.42%	0.571%
41	15.186	2224	2227	2231	rVV	85551	117770	11.28%	1.003%
42	15.239	2232	2236	2246	rVB	339740	515880	49.40%	4.394%
43	15.621	2297	2301	2307	rVB	253479	340619	32.62%	2.901%
44	17.092	2547	2551	2561	rVB6	103761	251987	24.13%	2.146%
45	18.927	2856	2863	2870	rBV8	64606	172250	16.50%	1.467%

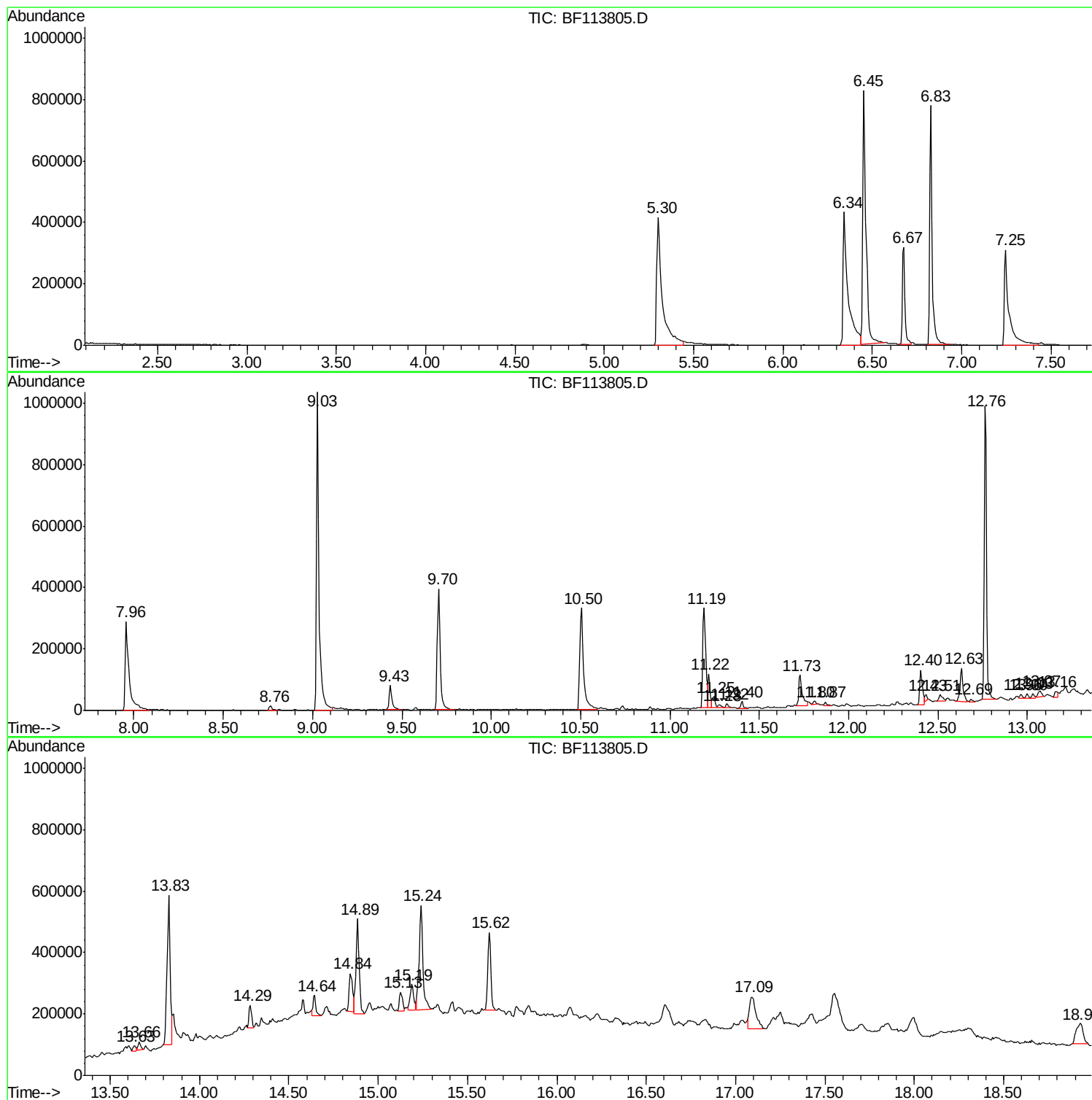
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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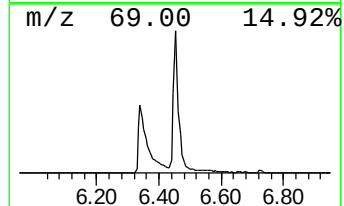
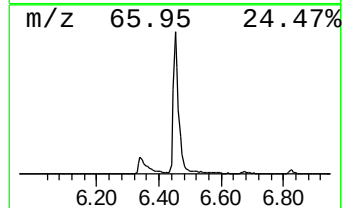
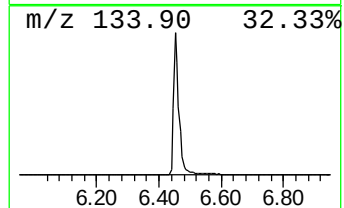
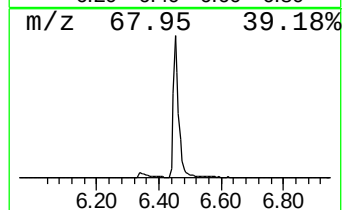
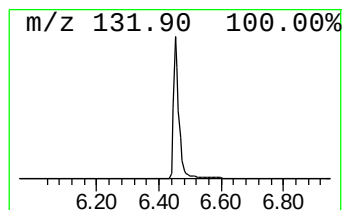
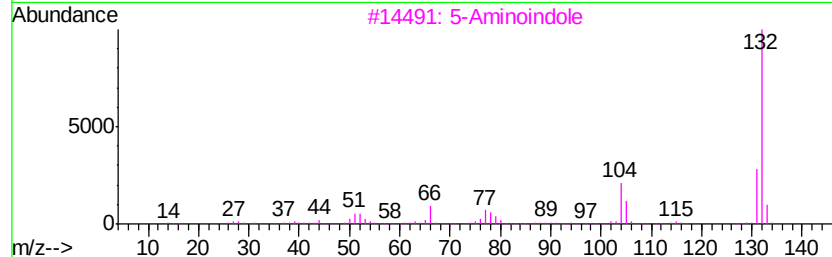
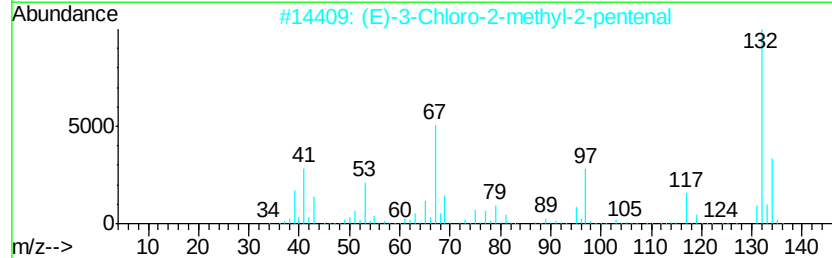
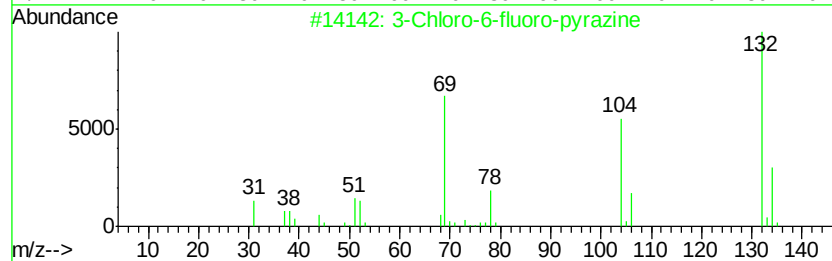
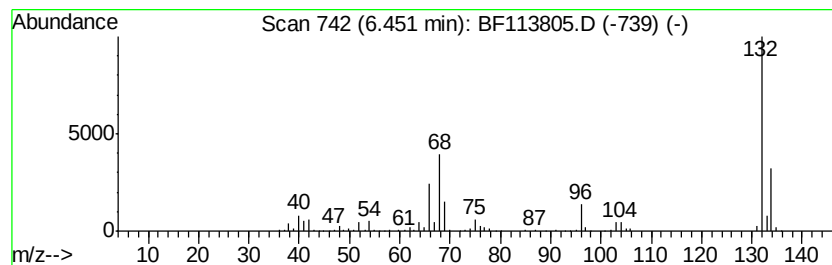
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	61.51 ng	1039310	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Amphetaminil	250	C17H18N2	017590-01-1	10
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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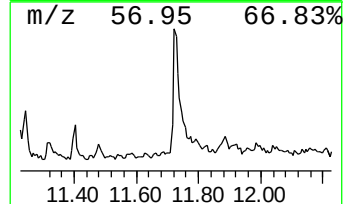
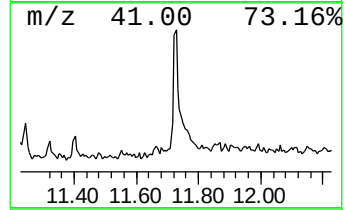
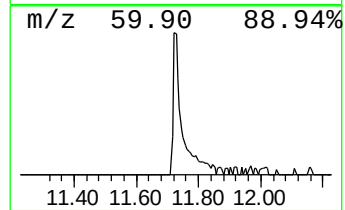
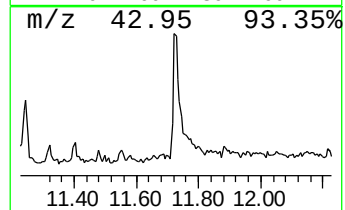
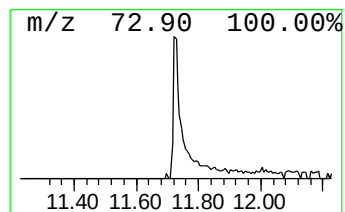
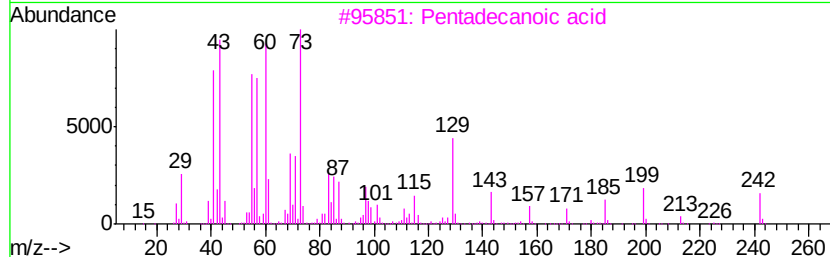
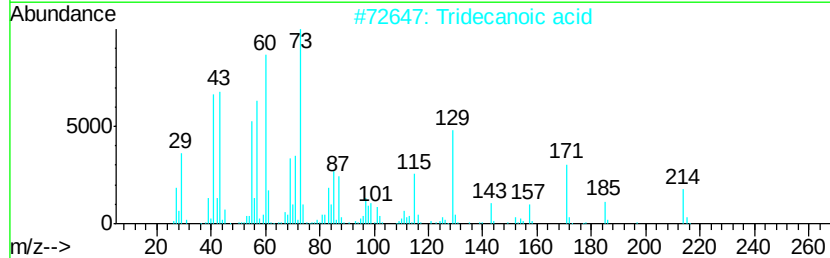
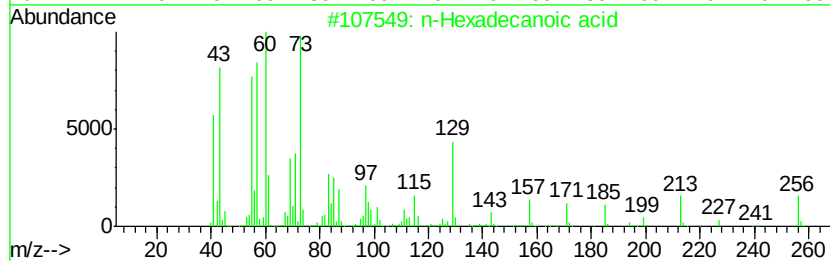
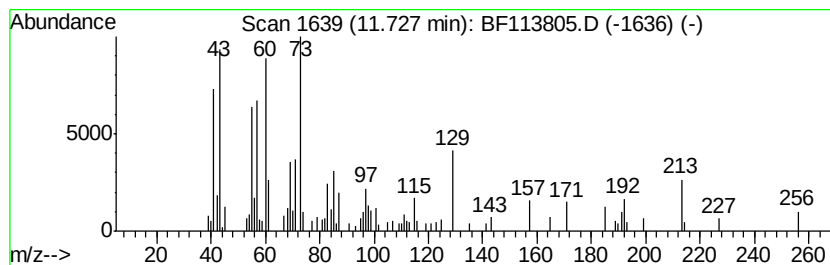
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	8.24 ng	149306	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
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	72
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64



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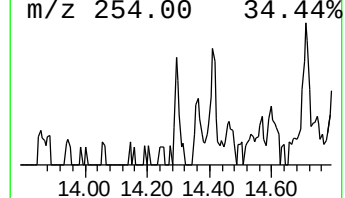
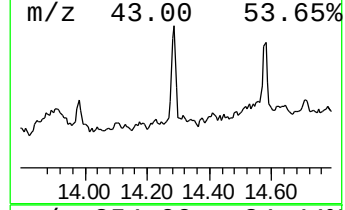
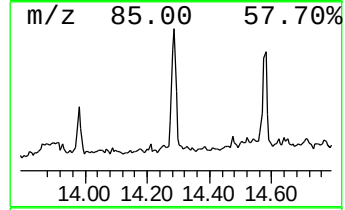
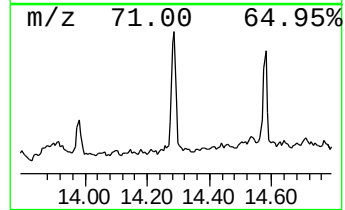
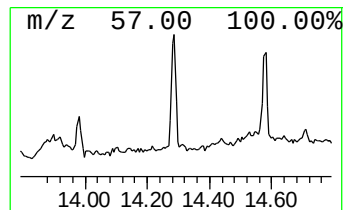
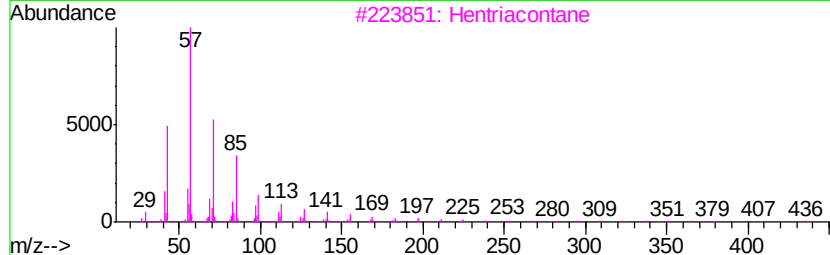
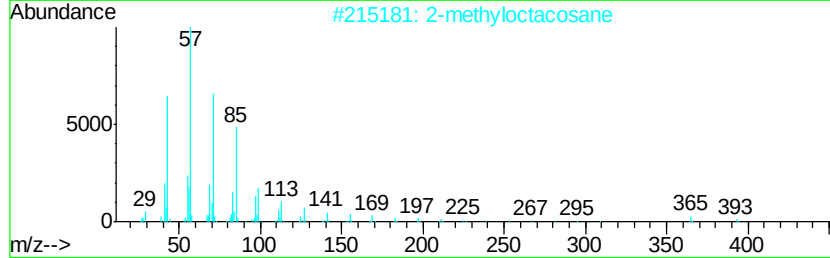
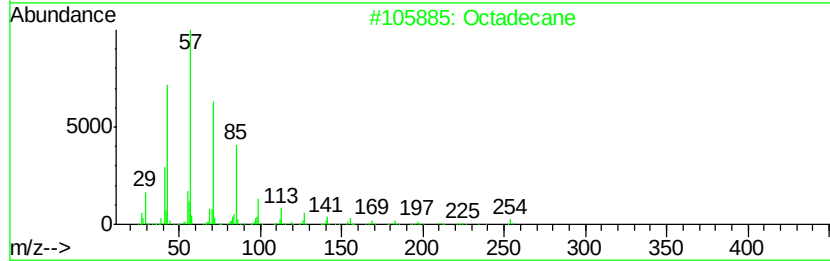
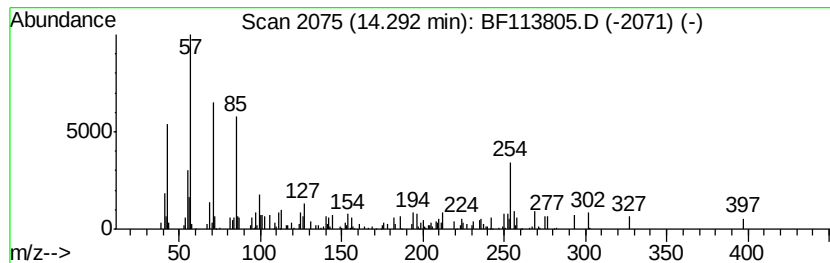
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.32 ng	65719	Chrysene-d12	13.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octadecane	254 C18H38	000593-45-3	90
2	2-methyloctacosane	408 C29H60	1000376-72-8	87
3	Hentriacontane	437 C31H64	000630-04-6	83
4	Heptadecane	240 C17H36	000629-78-7	83
5	Tetracosane	338 C24H50	000646-31-1	83



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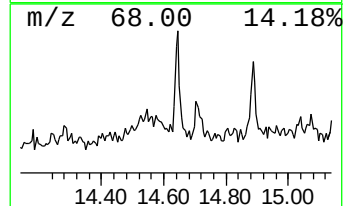
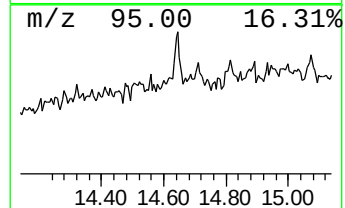
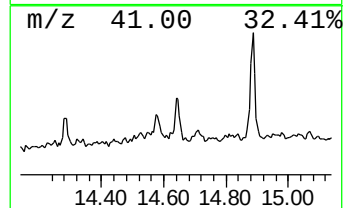
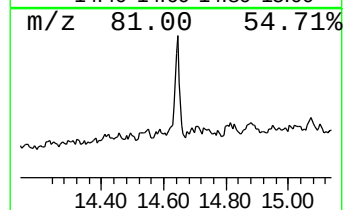
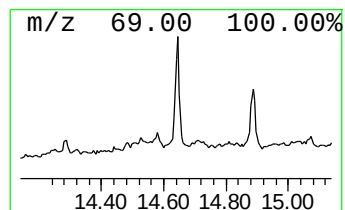
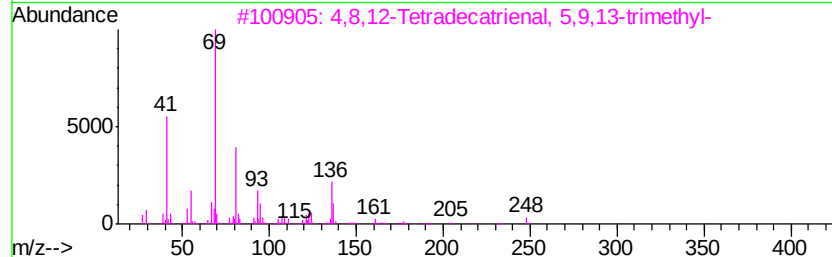
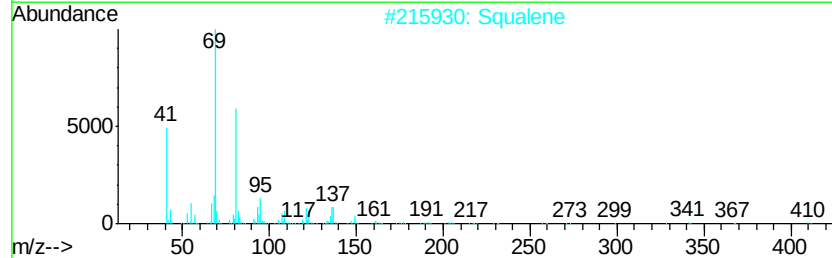
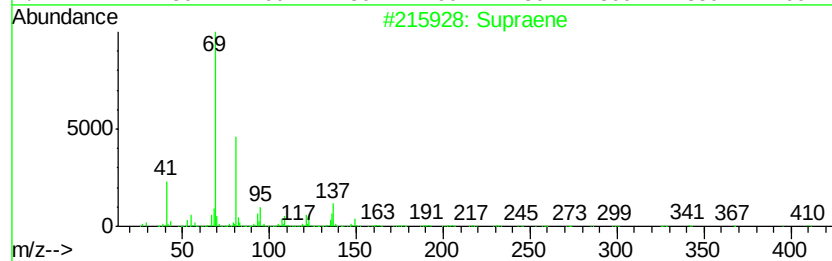
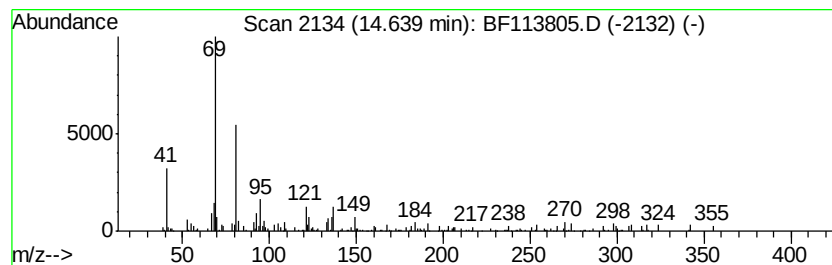
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Supraene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.91 ng	74932	Perylene-d12	15.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene		410	C30H50	007683-64-9	80
2	Squalene		410	C30H50	000111-02-4	72
3	4,8,12-Tetradecatrienal, 5,9,13-...		248	C17H28O	066408-55-7	64
4	trans-Geranylgeraniol		290	C20H34O	024034-73-9	56
5	2,6-Octadiene, 4-methyl-		124	C9H16	074498-94-5	50



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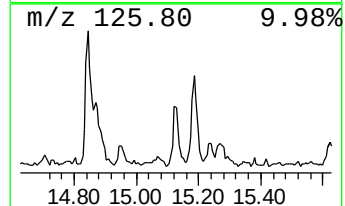
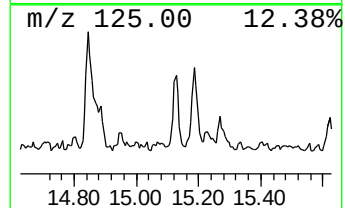
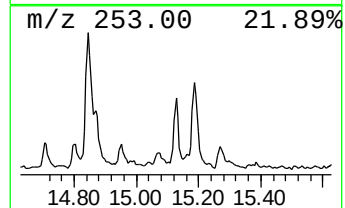
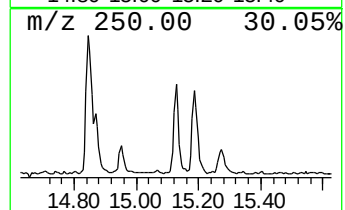
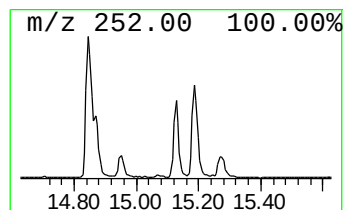
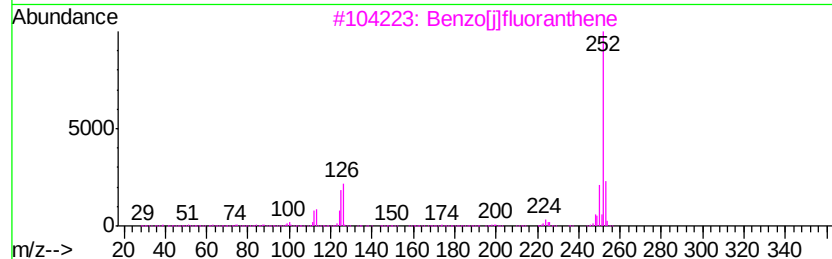
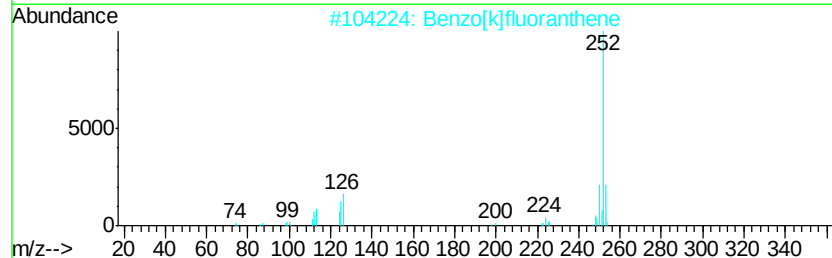
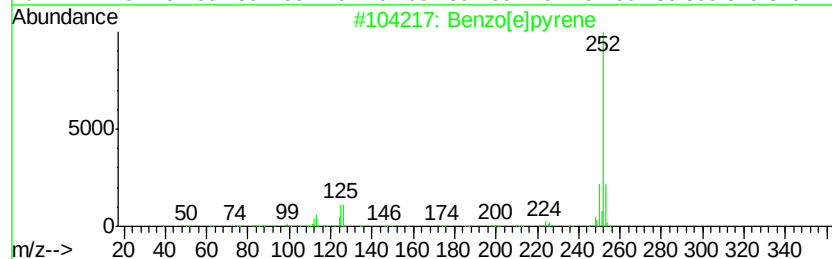
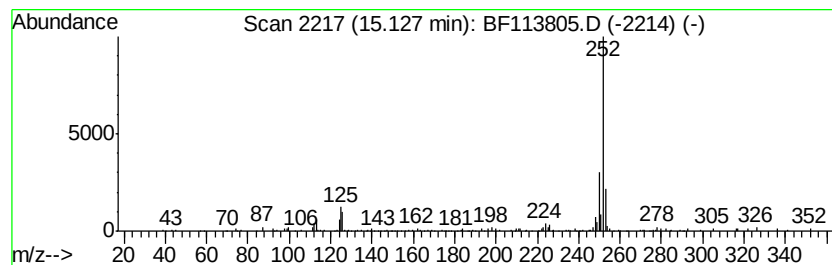
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.60 ng	67040	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113805.D
Acq On : 16 Apr 2019 20:49
Operator : JU/SJ
Sample : K2413-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-KY

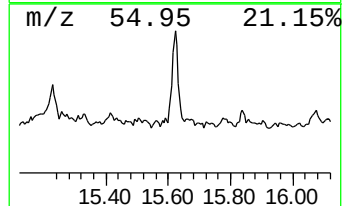
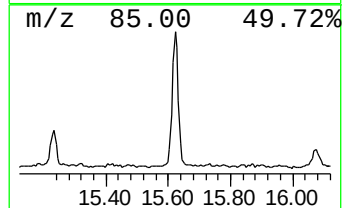
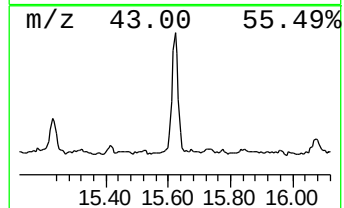
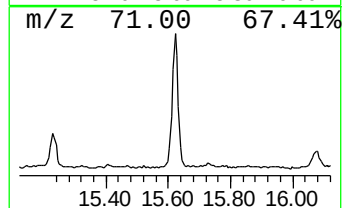
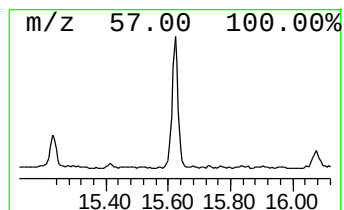
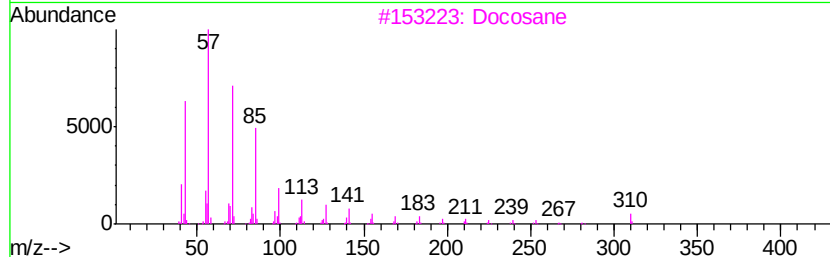
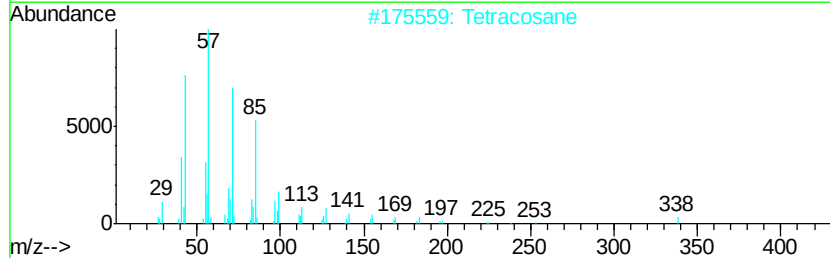
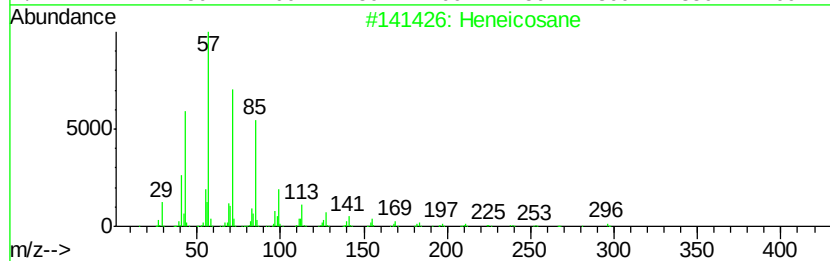
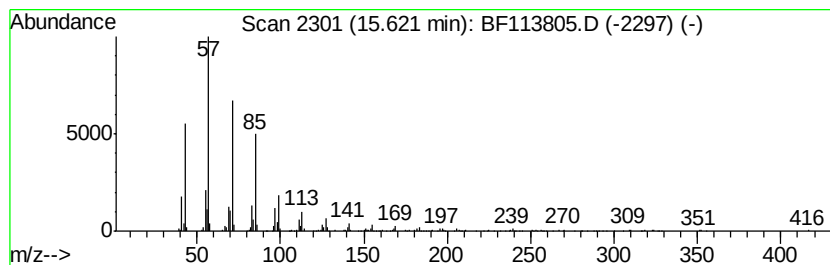
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	13.21 ng	340619	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Tetracosane	338	C24H50	000646-31-1	91
3		Docosane	310	C22H46	000629-97-0	90
4		Hentriacontane	437	C31H64	000630-04-6	87
5		Hexadecane	226	C16H34	000544-76-3	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113805.D
Acq On : 16 Apr 2019 20:49
Operator : JU/SJ
Sample : K2413-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-KY

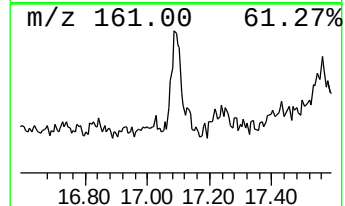
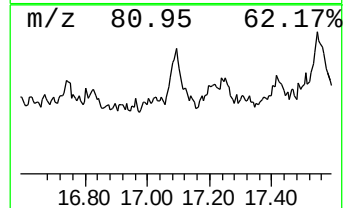
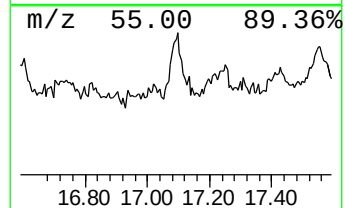
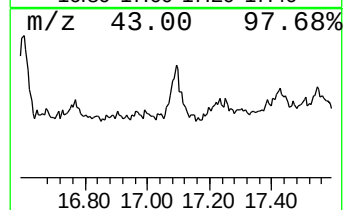
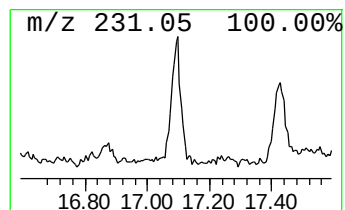
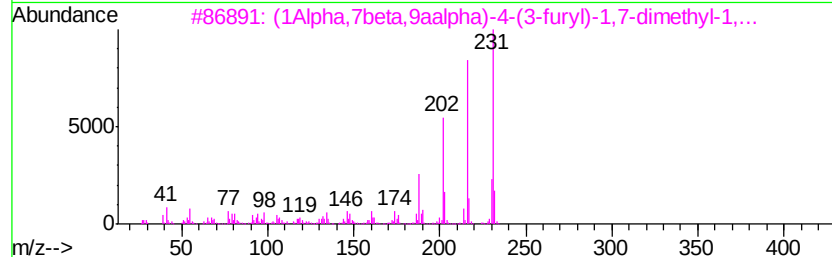
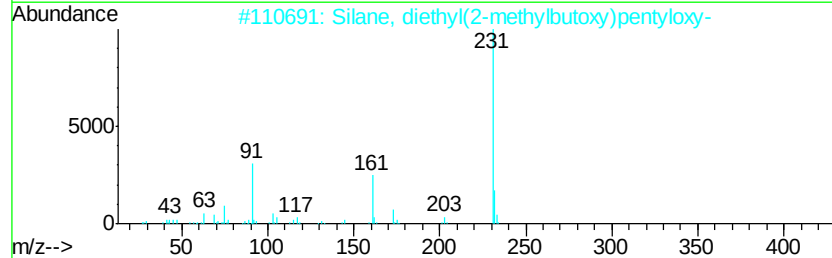
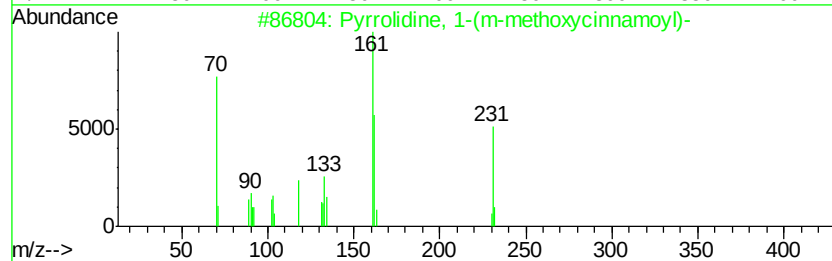
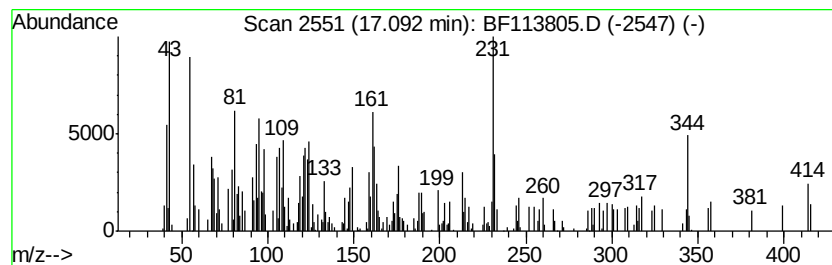
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown17.09 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	9.77 ng	251987	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrrolidine, 1-(m-methoxycinnamo...	231	C14H17NO2	029647-01-6	27
2		Silane, diethyl(2-methylbutoxy)p...	260	C14H32O2Si	1000363-09-9	22
3		(1Alpha,7beta,9alpha)-4-(3-fury...	231	C15H21NO	003606-26-6	20
4		Pyrimido[5,4-b]pyrido[3,2-d]thie...	231	C11H9N3OS	201681-22-3	14
5		2-(tert-Butyldimethylsilyl)oxyna...	288	C16H20O3Si	1000373-08-3	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

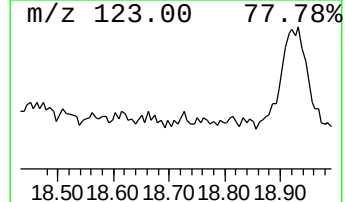
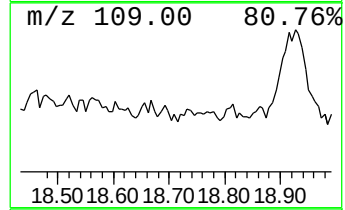
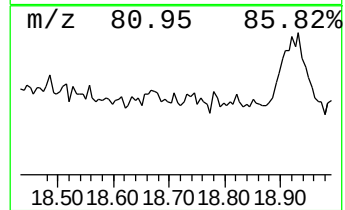
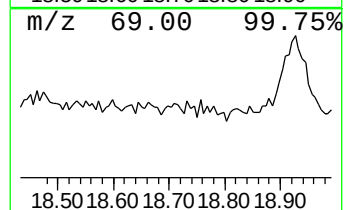
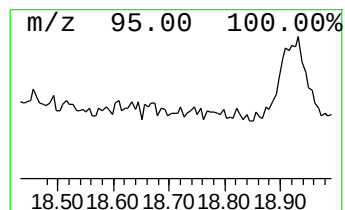
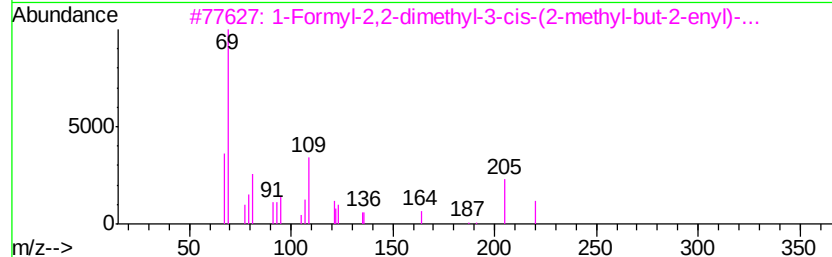
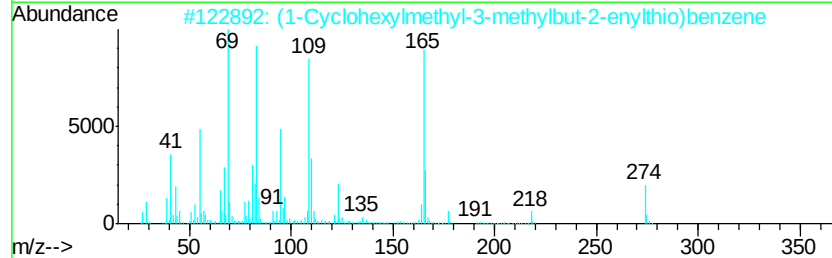
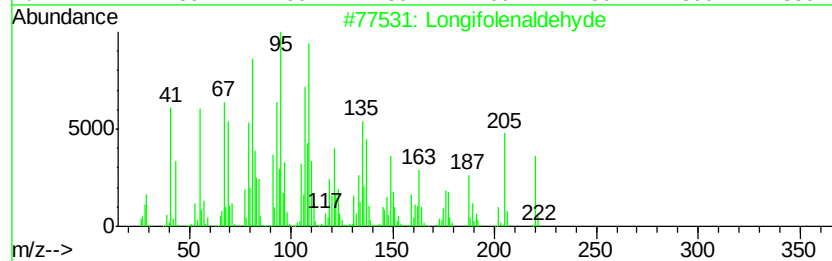
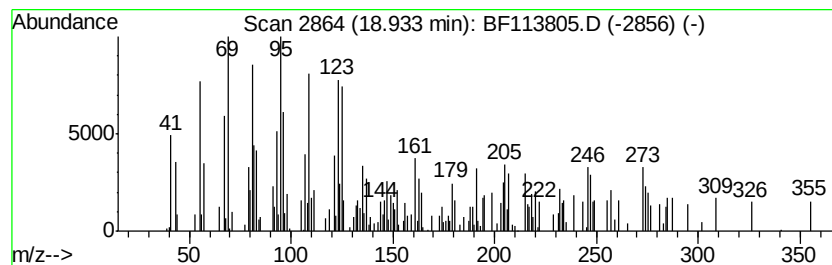
Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-KY

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown18.93 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.93	6.68 ng	172250	Perylene-d12	15.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolenaldehyde	220	C15H24O	019890-84-7	48
2	(1-Cyclohexylmethyl-3-methylbut-...	274	C18H26S	1000191-26-0	30
3	1-Formyl-2,2-dimethyl-3-cis-(2-m...	220	C15H24O	1000144-10-0	22
4	3-Cyclopentylpropionic acid, 3-c...	216	C11H17ClO2	1000292-47-2	22
5	.beta.-Bisabolene	204	C15H24	000495-61-4	22



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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-KY

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.45	6.45	61.5	ng	1039310	1	6.67	337937	20.0
n-Hexadecanoic acid	11.73	8.2	ng	149306	4	11.19	362226	20.0
Octadecane	14.29	2.3	ng	65719	5	13.83	567363	20.0
Supraene	14.64	2.9	ng	74932	6	15.24	515880	20.0
Benzo[e]pyrene	15.13	2.6	ng	67040	6	15.24	515880	20.0
Heneicosane	15.62	13.2	ng	340619	6	15.24	515880	20.0
unknown17.09	17.09	9.8	ng	251987	6	15.24	515880	20.0
unknown18.93	18.93	6.7	ng	172250	6	15.24	515880	20.0