

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120617\
 Data File : BF101174.D
 Acq On : 6 Dec 2017 18:12
 Operator : SJ/JU
 Sample : I6676-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120417

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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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	5.457	570	573	585	rBV	161114	161392	11.21%	2.100%
2	6.475	742	746	754	rBV	148389	161260	11.20%	2.099%
3	6.616	767	770	777	rVB	204216	180260	12.52%	2.346%
4	6.845	806	809	814	rVB	307714	246900	17.14%	3.213%
5	6.998	830	835	841	rBV	161622	144646	10.04%	1.882%
6	7.410	902	905	908	rBV	107194	99512	6.91%	1.295%
7	8.128	1024	1027	1033	rVB	373262	303390	21.07%	3.948%
8	8.710	1121	1126	1130	rBV3	16606	16291	1.13%	0.212%
9	8.945	1164	1166	1169	rBV3	15194	14775	1.03%	0.192%
10	9.198	1206	1209	1214	rBV	217192	186460	12.95%	2.427%
11	9.275	1219	1222	1225	rVB2	28454	23618	1.64%	0.307%
12	9.598	1273	1277	1279	rBV	26269	28489	1.98%	0.371%
13	9.804	1309	1312	1316	rVB	48833	36593	2.54%	0.476%
14	9.886	1322	1326	1330	rBV	349024	309779	21.51%	4.031%
15	10.304	1391	1397	1400	rBV	58147	47354	3.29%	0.616%
16	10.522	1428	1434	1437	rBV2	18619	23695	1.65%	0.308%
17	10.675	1457	1460	1464	rBV	101033	85541	5.94%	1.113%
18	10.775	1475	1477	1482	rBV	51657	58409	4.06%	0.760%
19	11.227	1550	1554	1556	rBV	44160	38471	2.67%	0.501%
20	11.251	1556	1558	1564	rVB3	15831	19328	1.34%	0.252%
21	11.375	1575	1579	1581	rBV	352962	289857	20.13%	3.772%
22	11.398	1581	1583	1588	rVB	69693	55276	3.84%	0.719%
23	11.651	1622	1626	1630	rBV	37723	34533	2.40%	0.449%
24	11.757	1640	1644	1647	rBV	553941	436283	30.30%	5.678%
25	11.886	1662	1666	1668	rBV3	21047	30288	2.10%	0.394%
26	11.986	1680	1683	1686	rBV	19654	21132	1.47%	0.275%
27	12.057	1692	1695	1698	rBV	28691	26681	1.85%	0.347%
28	12.445	1757	1761	1763	rBV	1498484	1440113	100.00%	18.741%
29	12.469	1763	1765	1771	rVB	1289688	1086676	75.46%	14.142%
30	12.545	1775	1778	1782	rVB	222332	182404	12.67%	2.374%
31	12.592	1782	1786	1791	rBV	189710	216563	15.04%	2.818%
32	12.680	1798	1801	1806	rVB3	13803	20814	1.45%	0.271%
33	12.786	1814	1819	1820	rBV2	29844	31140	2.16%	0.405%
34	12.822	1821	1825	1828	rVB	170116	149246	10.36%	1.942%

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35	12.957	1840	1848	1851	rBV	186280	167699	11.64%	2.182%
36	13.033	1857	1861	1864	rBV4	18787	27395	1.90%	0.357%
37	13.110	1871	1874	1875	rBV	24148	19404	1.35%	0.253%
38	13.145	1875	1880	1883	rVB2	32858	50870	3.53%	0.662%
39	13.216	1890	1892	1895	rVB2	19098	15337	1.06%	0.200%
40	13.251	1895	1898	1900	rVV2	18248	19964	1.39%	0.260%
41	13.274	1900	1902	1906	rVB	30102	25965	1.80%	0.338%
42	13.374	1916	1919	1924	rBV5	13691	19767	1.37%	0.257%
43	13.521	1941	1944	1947	rBV3	15765	16462	1.14%	0.214%
44	13.769	1981	1986	1989	rBV	19927	27021	1.88%	0.352%
45	13.845	1996	1999	2001	rVB3	20644	18892	1.31%	0.246%
46	13.868	2001	2003	2011	rVB2	17455	22885	1.59%	0.298%
47	13.939	2012	2015	2020	rBV3	24132	24384	1.69%	0.317%
48	14.021	2023	2029	2031	rBV2	322920	368649	25.60%	4.797%
49	14.045	2031	2033	2039	rVB	82224	74281	5.16%	0.967%
50	14.404	2090	2094	2096	rBV2	17932	23220	1.61%	0.302%
51	14.557	2117	2120	2122	rBV3	14862	16228	1.13%	0.211%
52	15.010	2195	2197	2199	rBV3	13989	16062	1.12%	0.209%
53	15.068	2203	2207	2210	rBV	61481	88164	6.12%	1.147%
54	15.174	2223	2225	2232	rVB	17750	24004	1.67%	0.312%
55	15.368	2255	2258	2264	rVB	41797	59399	4.12%	0.773%
56	15.433	2265	2269	2274	rBV	61587	83098	5.77%	1.081%
57	15.498	2275	2280	2284	rBV	183169	235232	16.33%	3.061%
58	16.980	2527	2532	2533	rBV5	23121	32695	2.27%	0.425%

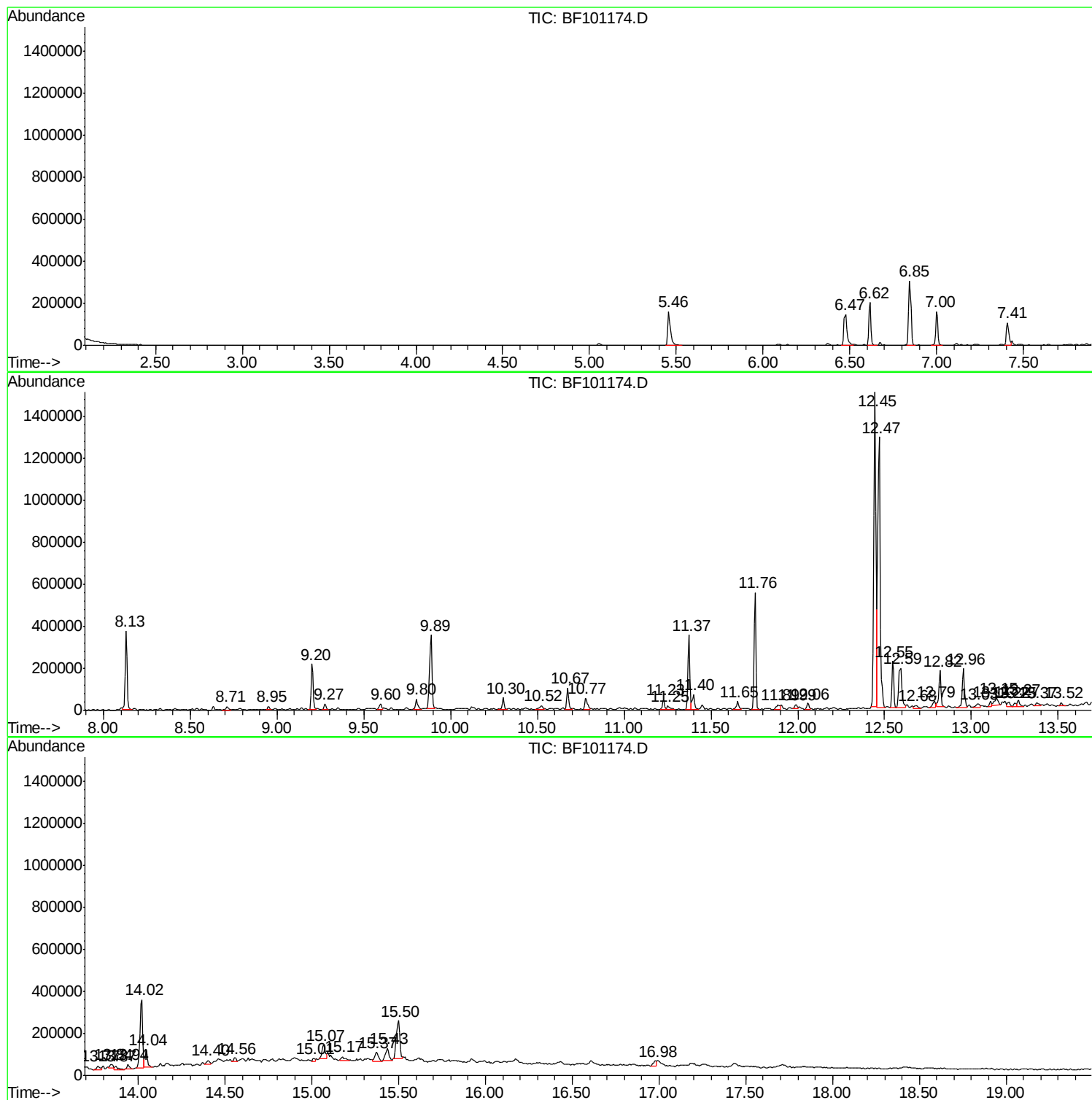
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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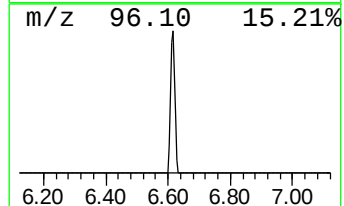
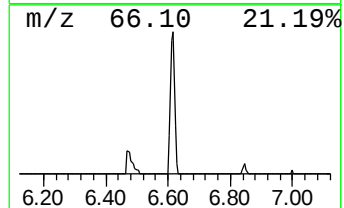
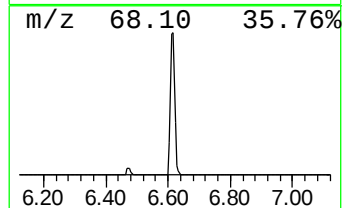
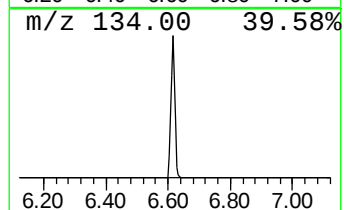
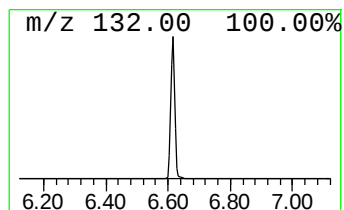
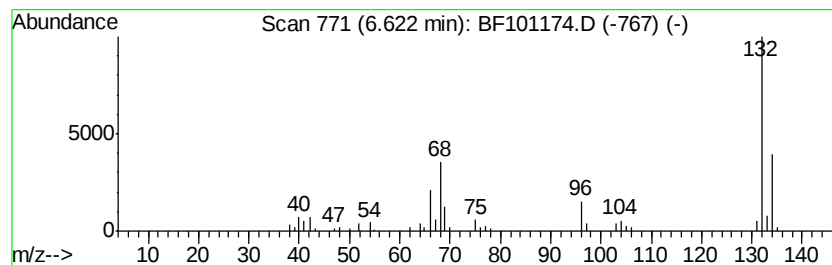
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	14.60 ng	180260	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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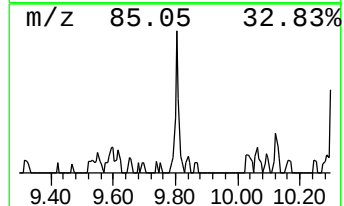
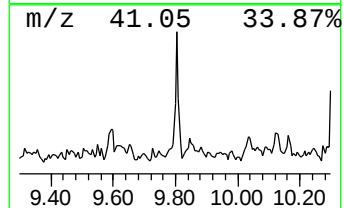
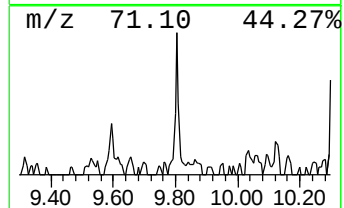
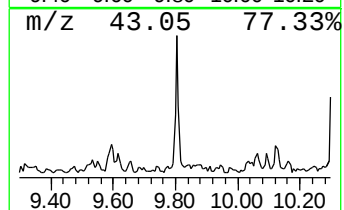
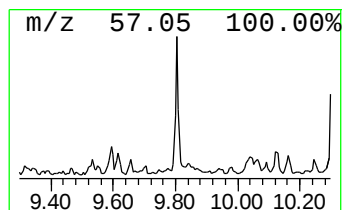
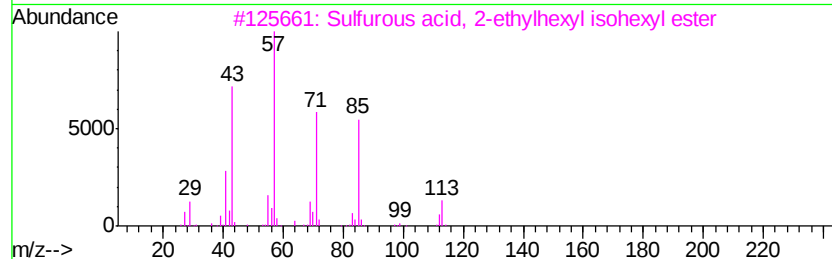
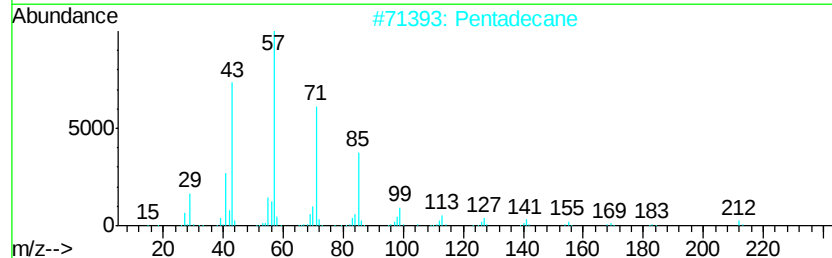
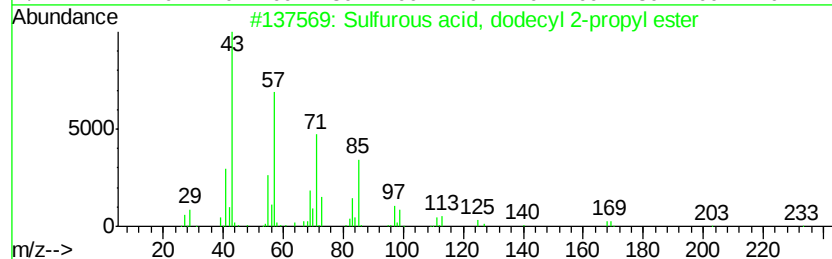
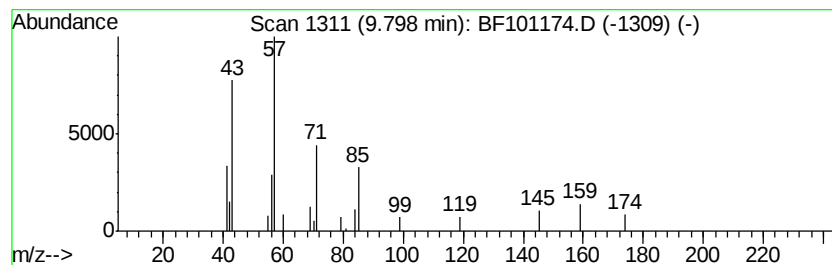
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Sulfurous acid, dodecyl 2-p... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	2.36 ng	36593	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	78
2		Pentadecane	212	C15H32	000629-62-9	78
3		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	72
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	72
5		Hexadecane	226	C16H34	000544-76-3	64



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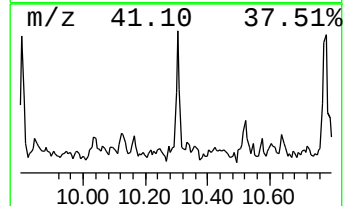
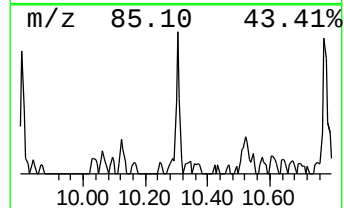
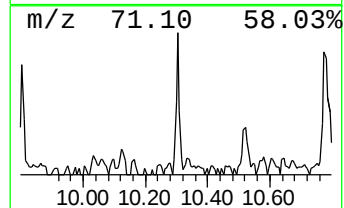
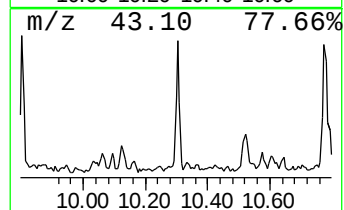
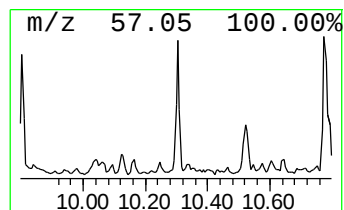
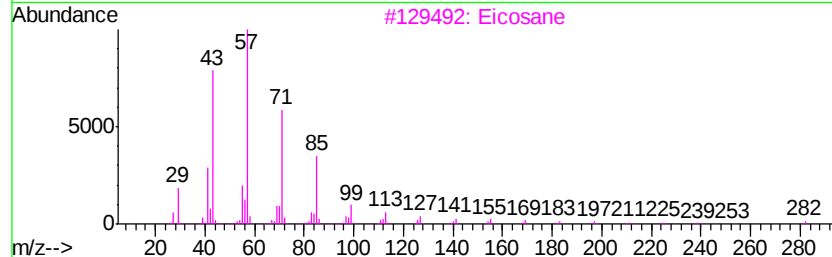
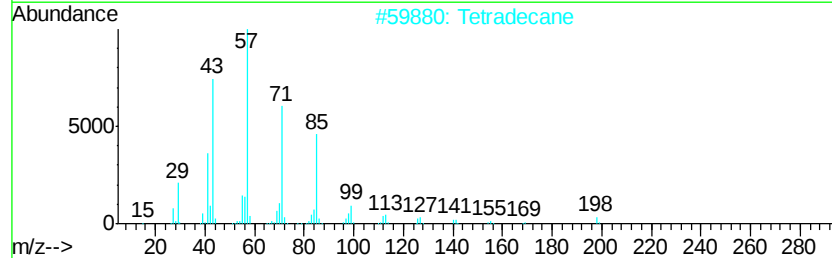
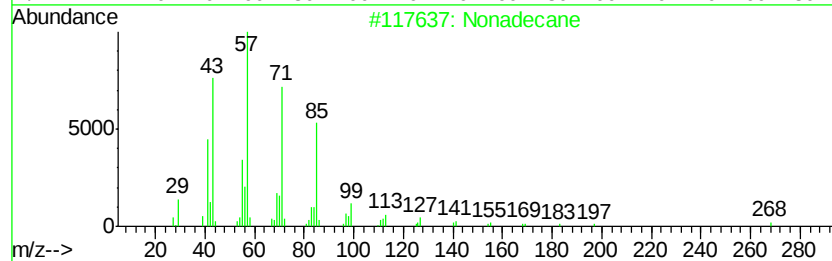
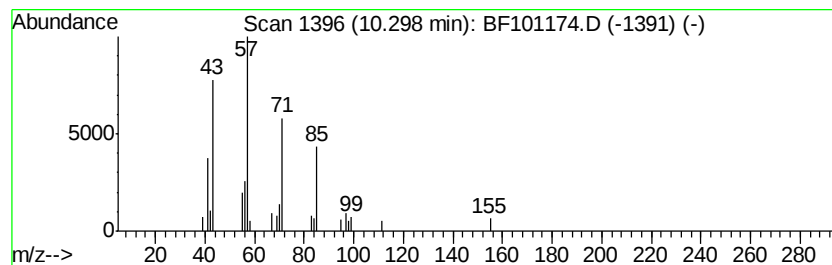
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.30	3.06 ng	47354	Acenaphthene-d10		9.89	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonadecane	268	C19H40	000629-92-5	91
2		Tetradecane	198	C14H30	000629-59-4	90
3		Eicosane	282	C20H42	000112-95-8	90
4		Pentadecane	212	C15H32	000629-62-9	90
5		Heptadecane	240	C17H36	000629-78-7	90



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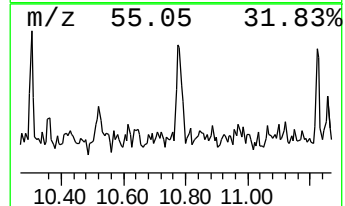
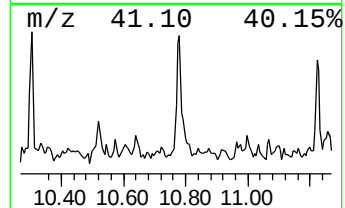
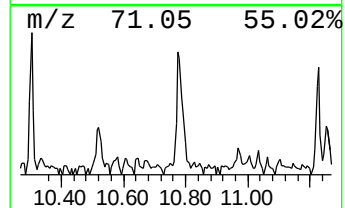
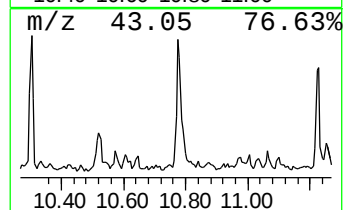
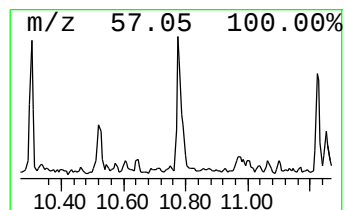
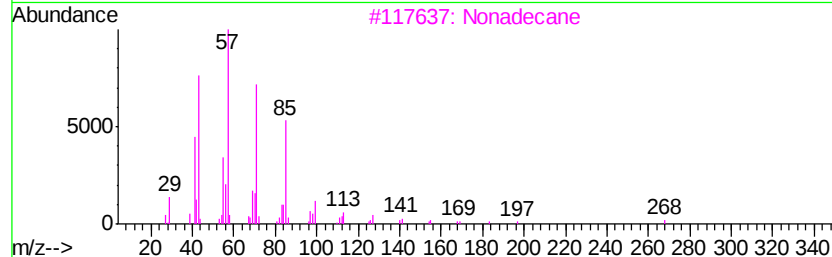
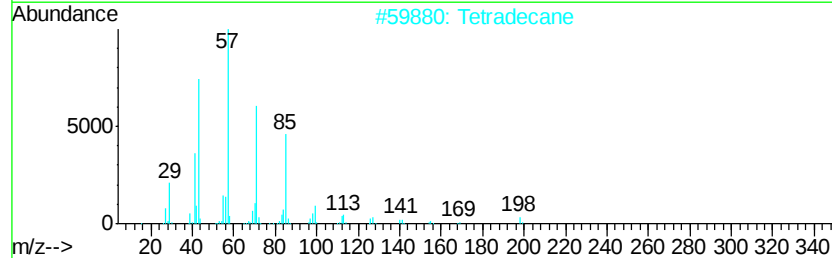
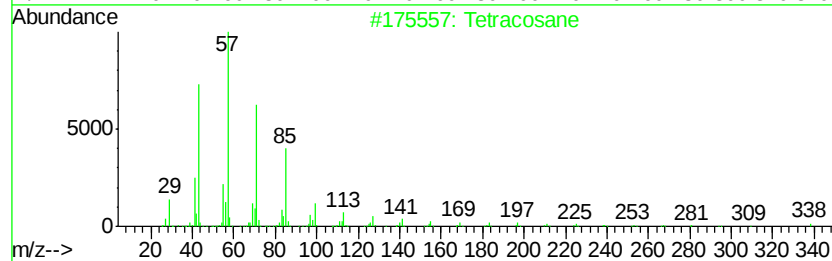
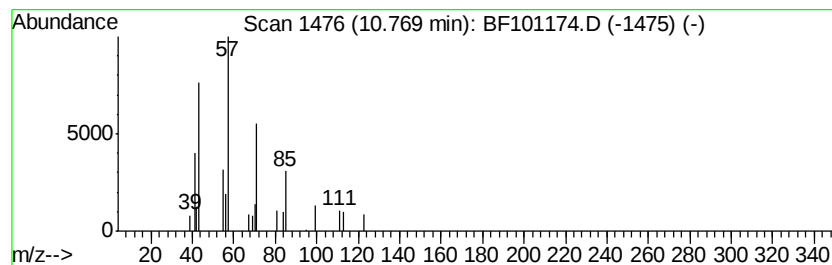
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetracosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	4.03 ng	58409	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	90
2		Tetradecane	198	C14H30	000629-59-4	90
3		Nonadecane	268	C19H40	000629-92-5	83
4		Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	78
5		Hexadecane	226	C16H34	000544-76-3	78



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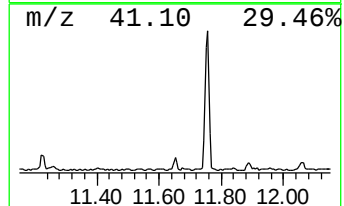
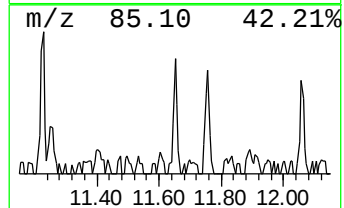
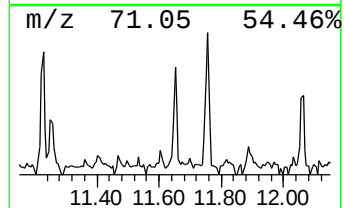
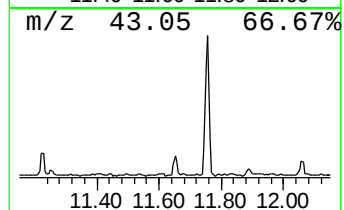
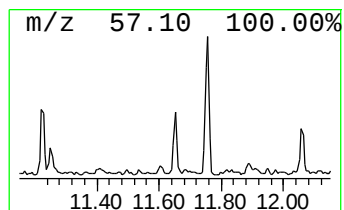
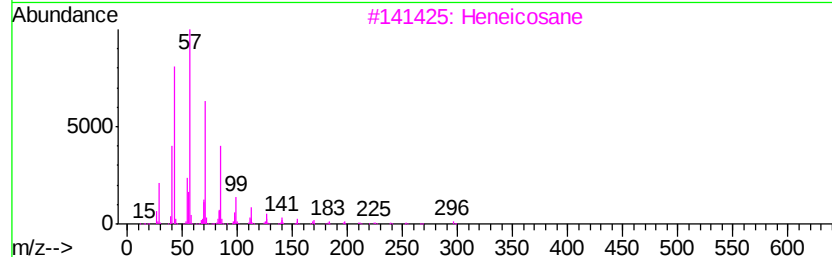
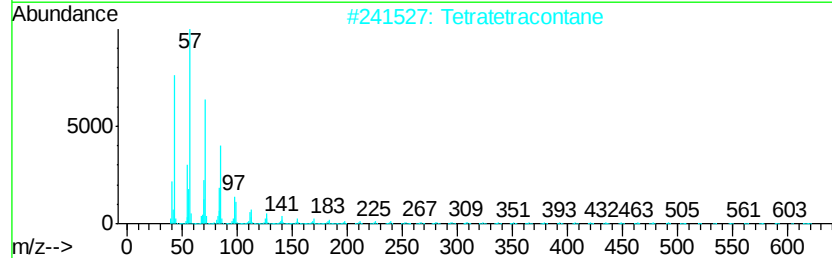
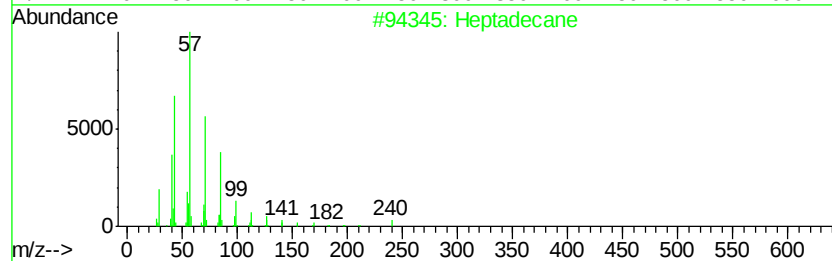
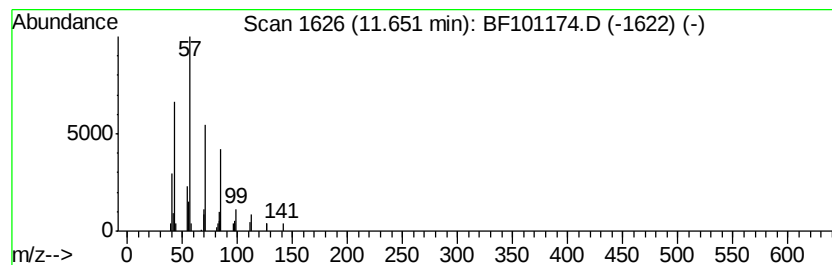
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.65	2.38 ng	34533	Phenanthrene-d10		11.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Tetratetracontane	619	C44H90	007098-22-8	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Pentadecane	212	C15H32	000629-62-9	86
5	Eicosane	282	C20H42	000112-95-8	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101174.D
Acq On : 6 Dec 2017 18:12
Operator : SJ/JU
Sample : I6676-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

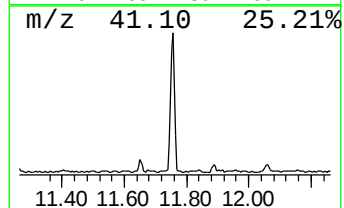
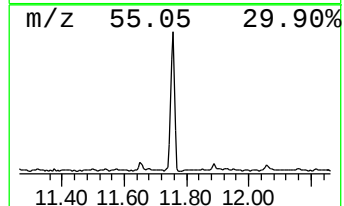
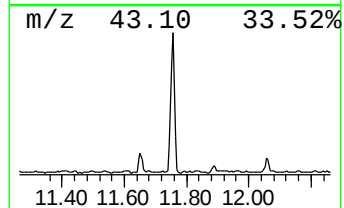
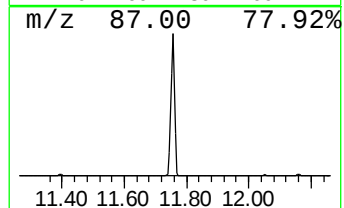
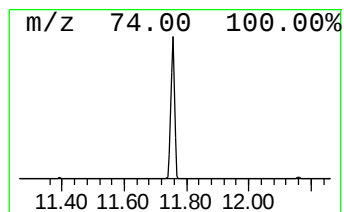
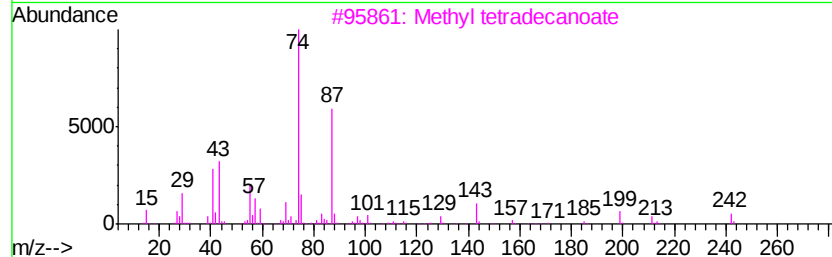
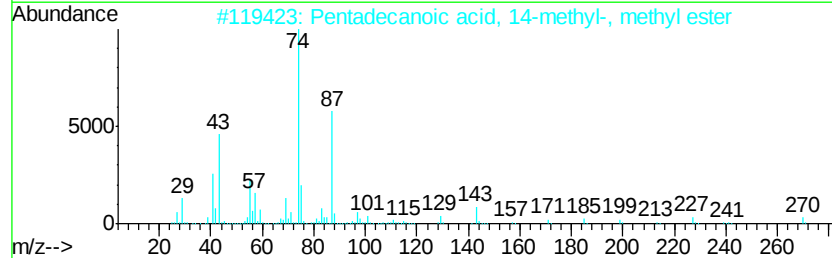
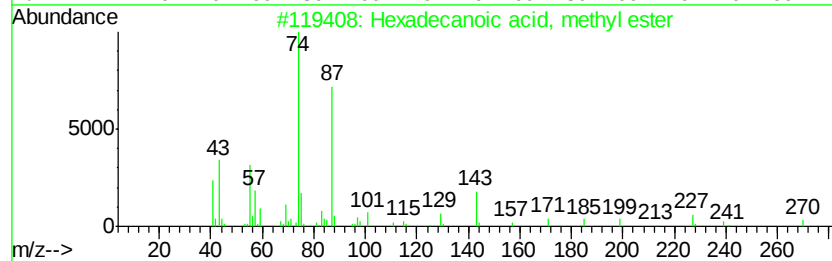
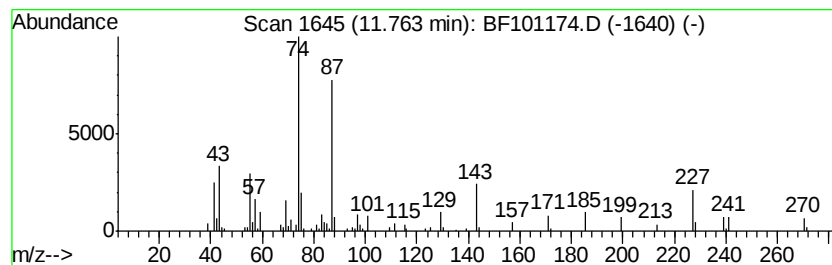
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	30.10 ng	436283	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3		Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
4		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
5		Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101174.D
Acq On : 6 Dec 2017 18:12
Operator : SJ/JU
Sample : I6676-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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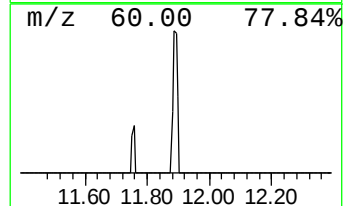
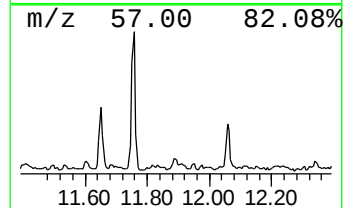
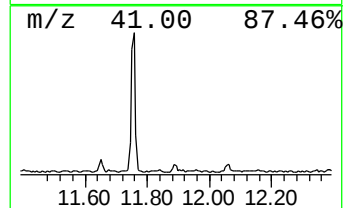
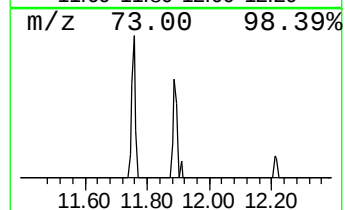
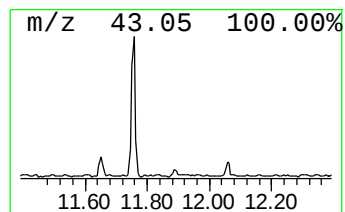
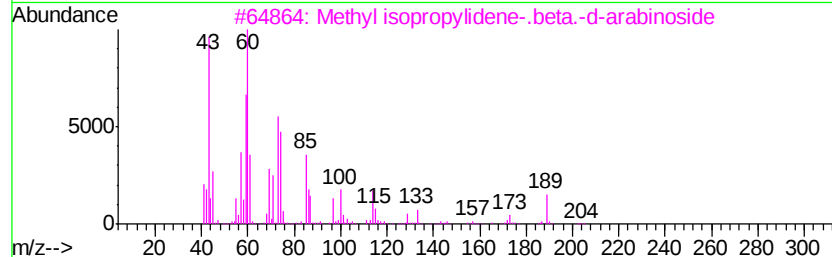
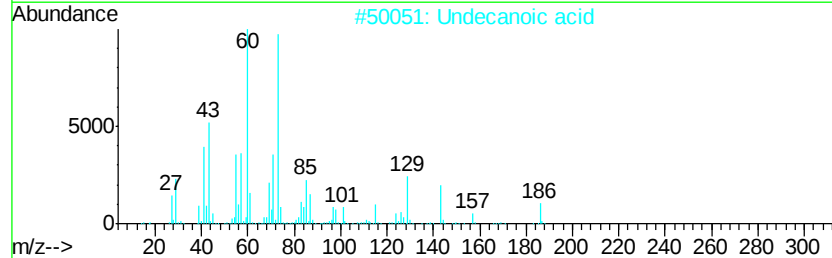
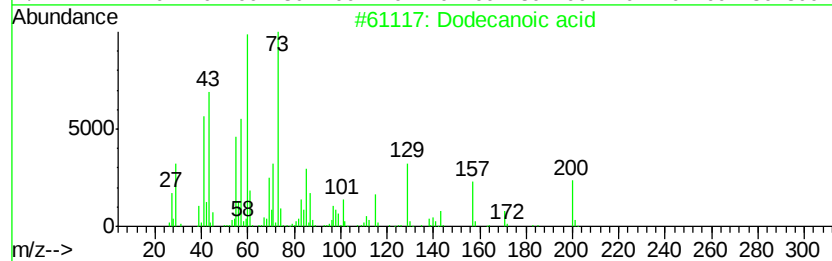
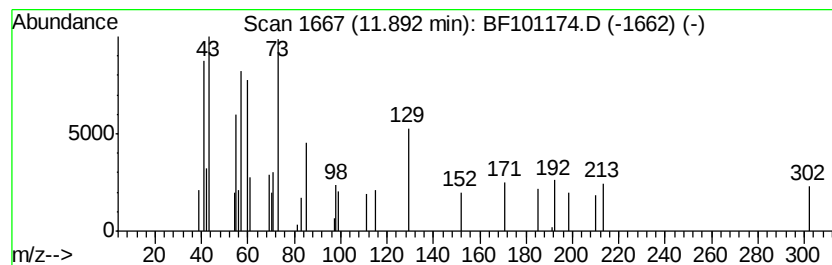
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.89 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.09 ng	30288	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecanoic acid	200	C12H24O2	000143-07-7	35
2		Undecanoic acid	186	C11H22O2	000112-37-8	35
3		Methyl isopropylidene-.beta.-d-a...	204	C9H16O5	1000129-88-1	16
4		Methyl 4,6-ethylidene-.alpha.-d-...	220	C9H16O6	1000102-53-5	14
5		Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	12



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
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Misc :
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ClientSampleId :
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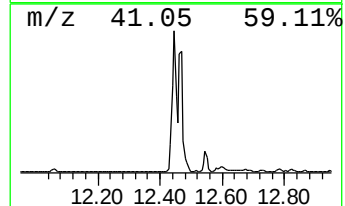
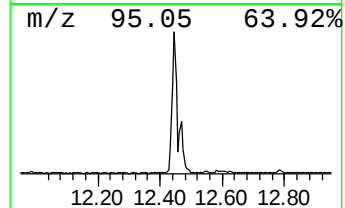
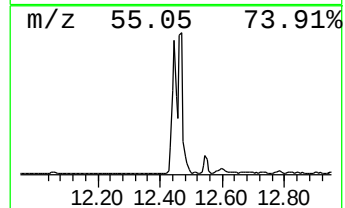
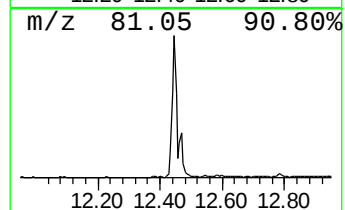
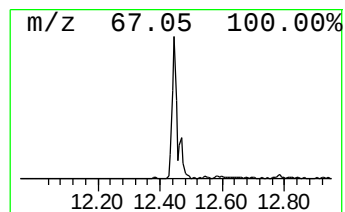
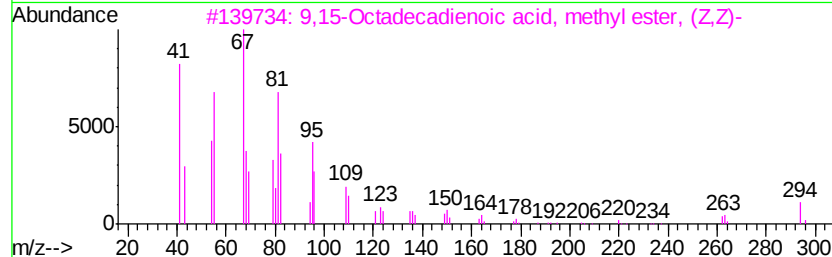
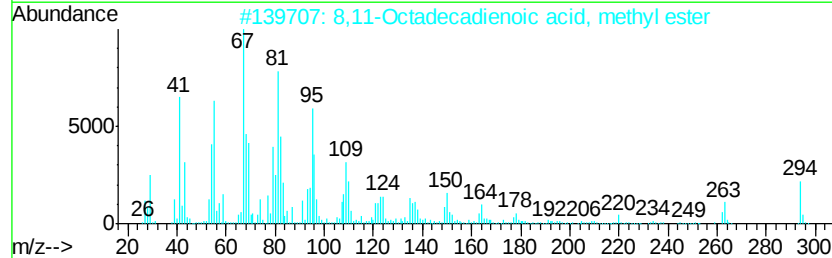
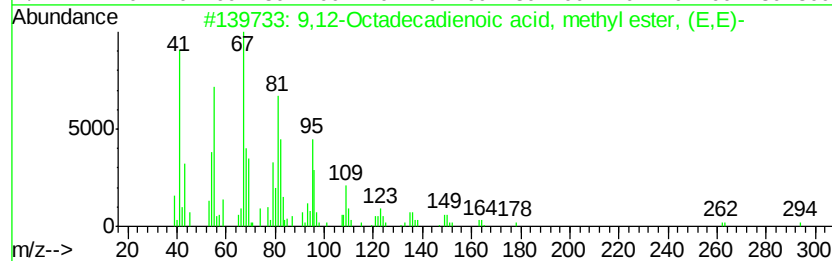
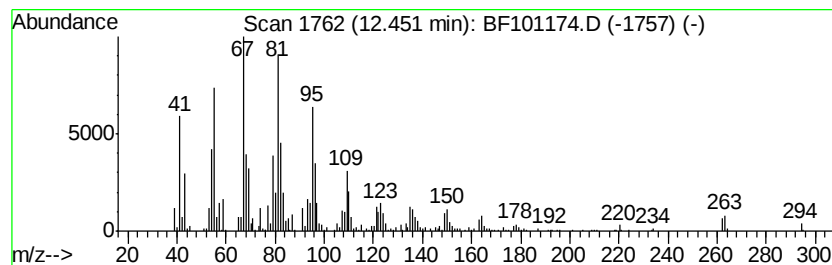
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	99.37 ng	1440110	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
3		9,15-Octadecadienoic acid, methv...	294	C19H34O2	017309-05-6	99
4		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99



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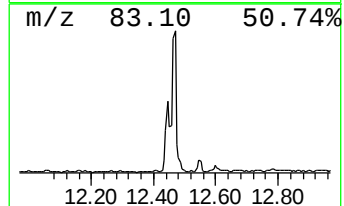
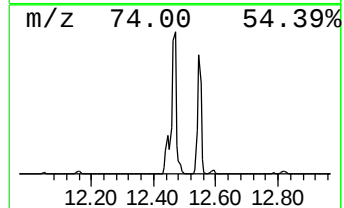
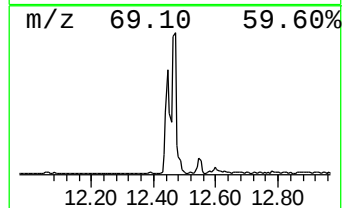
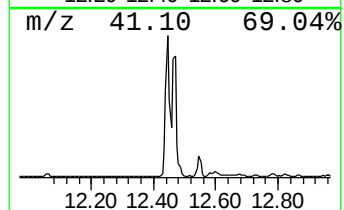
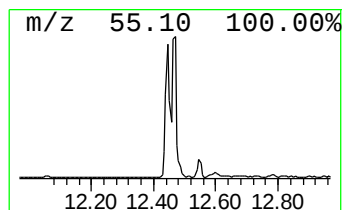
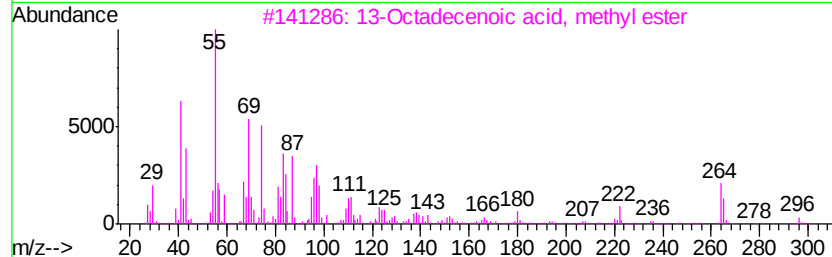
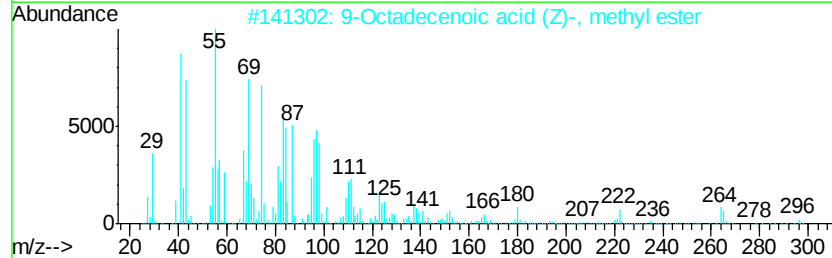
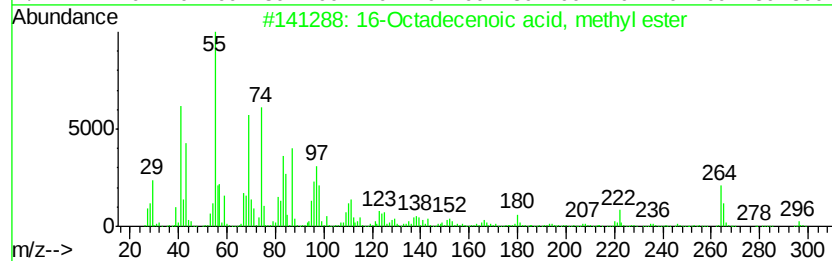
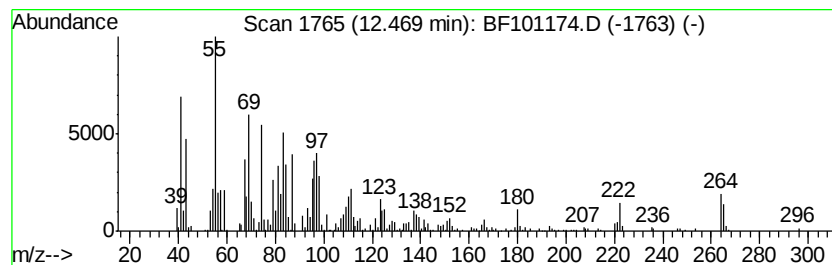
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 16-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	74.98 ng	1086680	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
3		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	98
5		6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101174.D
Acq On : 6 Dec 2017 18:12
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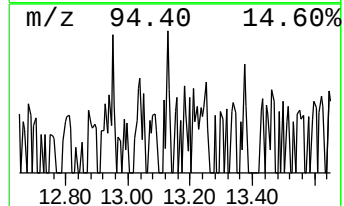
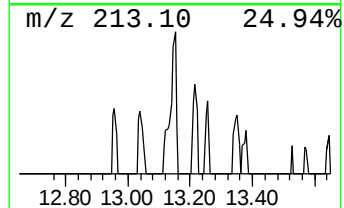
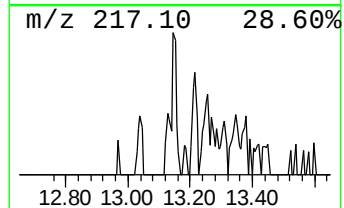
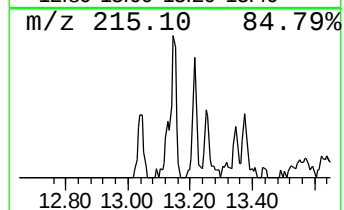
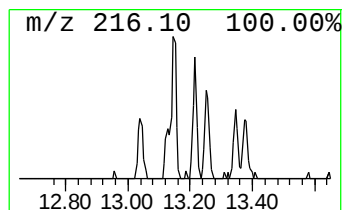
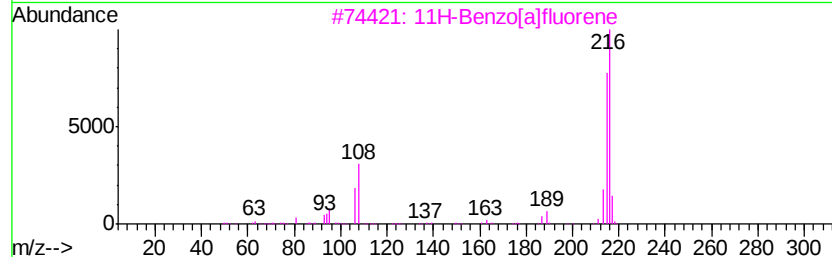
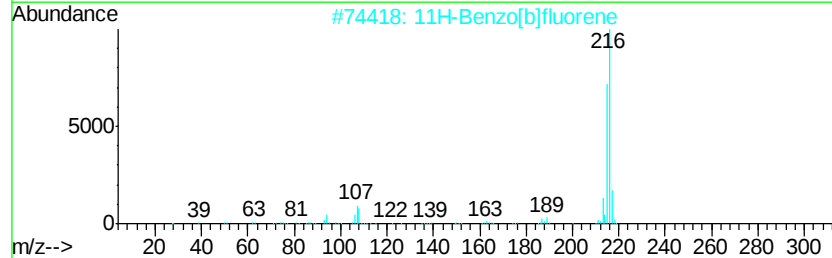
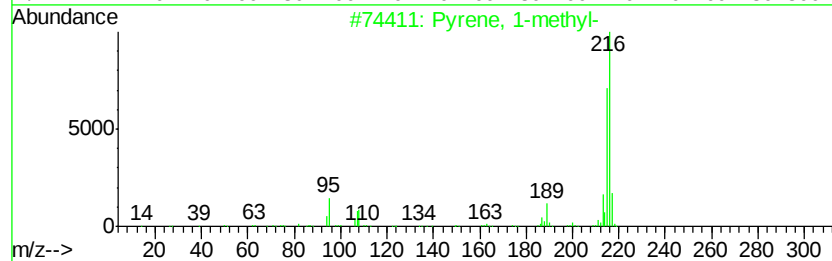
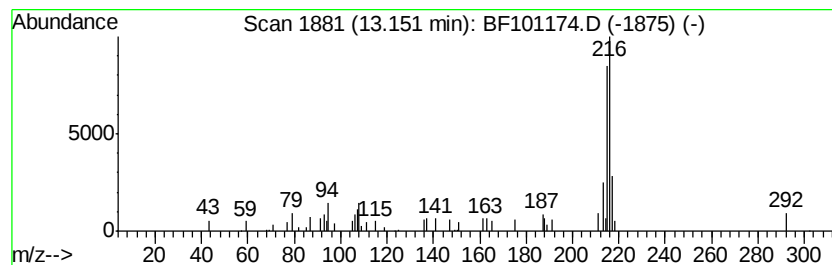
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.76 ng	50870	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	59
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120617\
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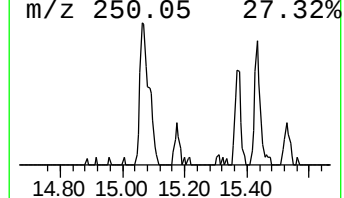
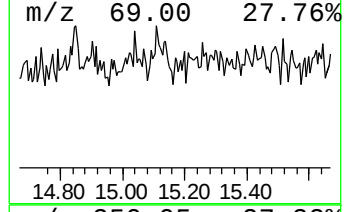
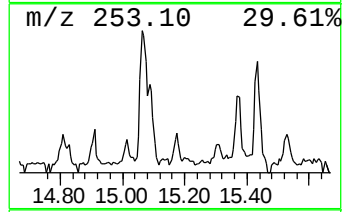
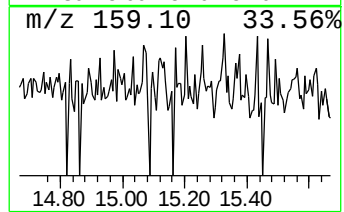
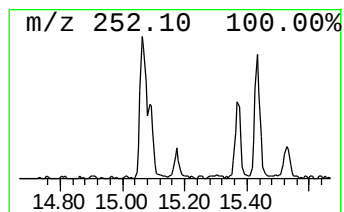
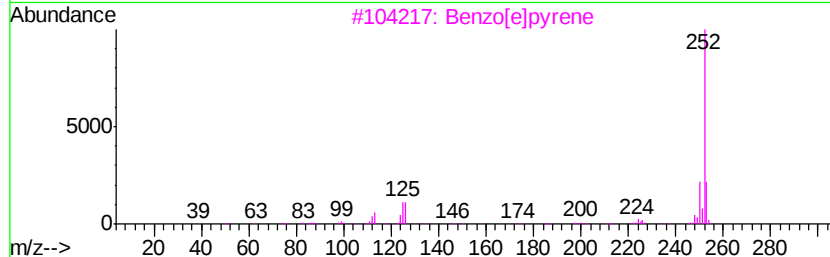
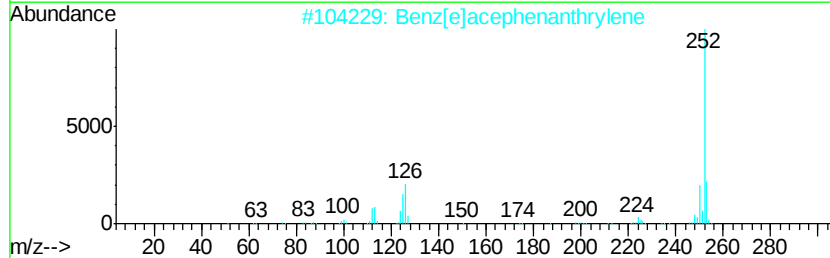
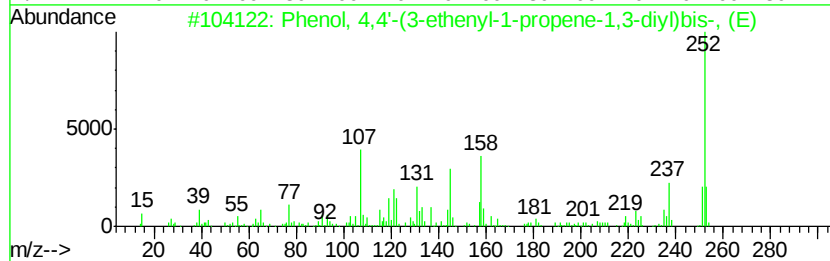
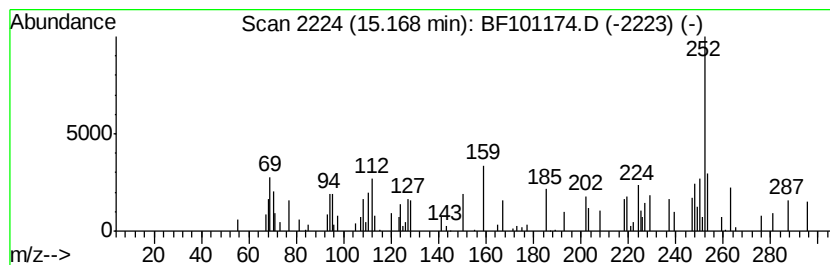
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenol, 4,4'-(3-ethenyl-1-p... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.04 ng	24004	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 4,4'-(3-ethenyl-1-propen...	252	C17H16O2	017676-24-3	50
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	47
3			Benzo[e]pyrene	252	C20H12	000192-97-2	47
4			Benzo[a]pyrene	252	C20H12	000050-32-8	47
5			Perylene	252	C20H12	000198-55-0	47



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Acq On : 6 Dec 2017 18:12
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Sample : I6676-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-02-120417

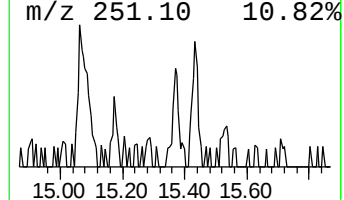
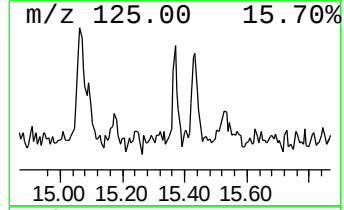
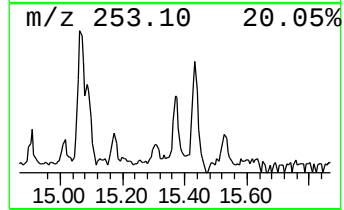
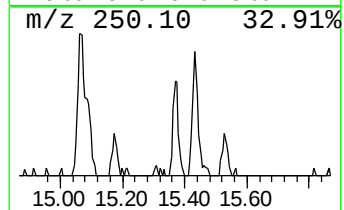
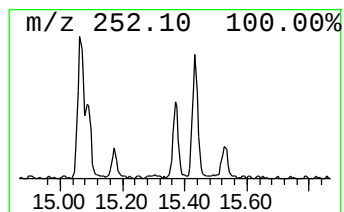
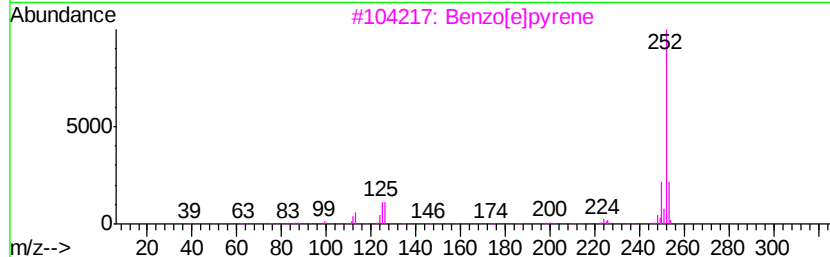
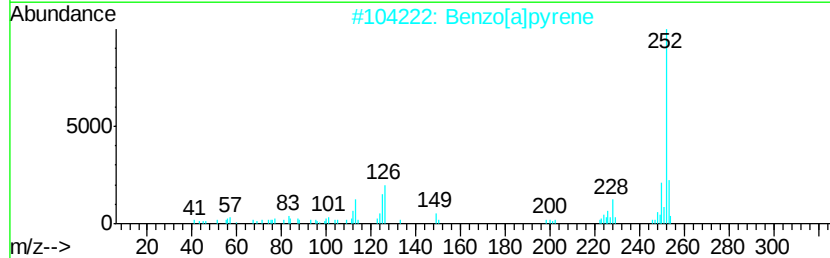
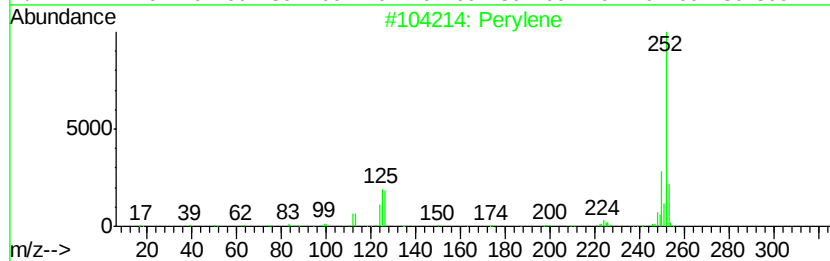
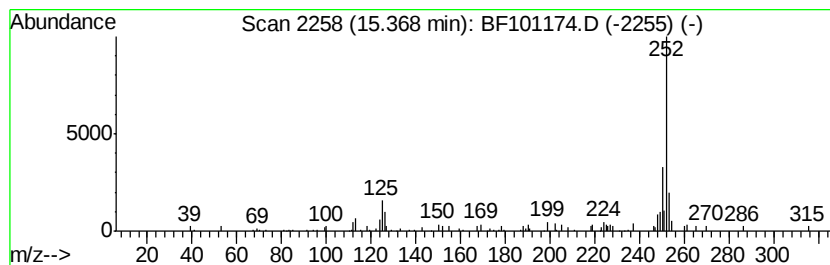
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	5.05 ng	59399	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	89
2			Benzo[a]pyrene	252	C20H12	000050-32-8	76
3			Benzo[e]pyrene	252	C20H12	000192-97-2	76
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120617\
Data File : BF101174.D
Acq On : 6 Dec 2017 18:12
Operator : SJ/JU
Sample : I6676-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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
unknown6.62	6.62	14.6	ng	180260	1	6.85	246900	20.0
Sulfurous acid, d...	9.80	2.4	ng	36593	3	9.89	309779	20.0
Nonadecane	10.30	3.1	ng	47354	3	9.89	309779	20.0
Tetracosane	10.77	4.0	ng	58409	4	11.37	289857	20.0
Heptadecane	11.65	2.4	ng	34533	4	11.37	289857	20.0
Hexadecanoic acid...	11.76	30.1	ng	436283	4	11.37	289857	20.0
unknown11.89	11.89	2.1	ng	30288	4	11.37	289857	20.0
9,12-Octadecadien...	12.45	99.4	ng	1440110	4	11.37	289857	20.0
16-Octadecenoic a...	12.47	75.0	ng	1086680	4	11.37	289857	20.0
Pyrene, 1-methyl-	13.15	2.8	ng	50870	5	14.02	368649	20.0
Phenol, 4,4'-(3-e...	15.17	2.0	ng	24004	6	15.50	235232	20.0
Perylene	15.37	5.0	ng	59399	6	15.50	235232	20.0