

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
 Data File : BF103948.D
 Acq On : 27 Mar 2018 1:35
 Operator : JU/SJ
 Sample : J1998-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-101(9-10)

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-BF031518.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	2.305	31	37	45	rVB	109041	141329	4.02%	0.397%
2	4.116	341	345	354	rBV	58815	75909	2.16%	0.213%
3	5.222	529	533	543	rBV	126633	168762	4.80%	0.474%
4	5.604	592	598	601	rBV	3185995	3356593	95.46%	9.433%
5	6.604	762	768	771	rBV	3055984	3327965	94.64%	9.352%
6	6.745	787	792	796	rBV	3252873	3483719	99.07%	9.790%
7	6.975	827	831	834	rBV	1010988	783923	22.29%	2.203%
8	7.134	854	858	861	rBV	2993501	2604673	74.07%	7.320%
9	7.540	922	927	930	rBV	2203144	2143483	60.96%	6.023%
10	8.257	1045	1049	1051	rBV	1280437	1019705	29.00%	2.866%
11	8.275	1051	1052	1059	rVB	195102	167238	4.76%	0.470%
12	8.969	1167	1170	1177	rBV	101784	81503	2.32%	0.229%
13	9.069	1181	1187	1194	rBV	83956	78646	2.24%	0.221%
14	9.334	1227	1232	1235	rBV	3789230	3516293	100.00%	9.881%
15	9.598	1273	1277	1280	rBV3	32662	37874	1.08%	0.106%
16	9.669	1285	1289	1292	rVV	52974	56728	1.61%	0.159%
17	9.722	1295	1298	1305	rVV	352667	356345	10.13%	1.001%
18	9.786	1305	1309	1318	rVB2	25754	41684	1.19%	0.117%
19	9.875	1321	1324	1329	rBV	102584	93253	2.65%	0.262%
20	9.928	1329	1333	1337	rBV	92982	72155	2.05%	0.203%
21	10.016	1345	1348	1352	rBV	1292770	1085072	30.86%	3.049%
22	10.428	1415	1418	1421	rVB	105282	91766	2.61%	0.258%
23	10.563	1438	1441	1448	rVB	73831	79876	2.27%	0.224%
24	10.645	1448	1455	1458	rBV4	33702	50374	1.43%	0.142%
25	10.810	1478	1483	1486	rBV	2279090	2196710	62.47%	6.173%
26	10.904	1495	1499	1508	rVB	93303	122543	3.49%	0.344%
27	11.110	1529	1534	1537	rBV3	31778	50461	1.44%	0.142%
28	11.351	1572	1575	1578	rBV	67090	53008	1.51%	0.149%
29	11.404	1582	1584	1587	rVB	62178	46672	1.33%	0.131%
30	11.510	1598	1602	1604	rBV	1136417	991279	28.19%	2.786%
31	11.533	1604	1606	1610	rVB	504400	365546	10.40%	1.027%
32	11.586	1612	1615	1618	rBV	109448	95068	2.70%	0.267%
33	11.839	1655	1658	1661	rBV	47913	41102	1.17%	0.116%
34	12.010	1684	1687	1690	rBV	109624	122988	3.50%	0.346%

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35	12.039	1690	1692	1697	rVB	119508	96274	2.74%	0.271%
36	12.122	1703	1706	1709	rBV2	136020	163821	4.66%	0.460%
37	12.145	1709	1710	1715	rVB	72744	49202	1.40%	0.138%
38	12.304	1734	1737	1740	rBV	62980	57856	1.65%	0.163%
39	12.339	1740	1743	1749	rVB2	41947	43365	1.23%	0.122%
40	12.563	1777	1781	1784	rBV	85395	99574	2.83%	0.280%
41	12.651	1793	1796	1799	rBV3	34549	45669	1.30%	0.128%
42	12.727	1805	1809	1813	rBV	529603	432461	12.30%	1.215%
43	12.822	1822	1825	1828	rBV	81676	67920	1.93%	0.191%
44	12.898	1836	1838	1841	rVB2	63640	51020	1.45%	0.143%
45	12.957	1845	1848	1854	rVB	484130	479606	13.64%	1.348%
46	13.098	1867	1872	1875	rBV	2920135	2676594	76.12%	7.522%
47	13.169	1881	1884	1891	rBV2	43839	71696	2.04%	0.201%
48	13.263	1897	1900	1901	rBV3	43360	45329	1.29%	0.127%
49	13.286	1901	1904	1910	rVB2	118456	121224	3.45%	0.341%
50	13.351	1913	1915	1918	rVB2	78749	59604	1.70%	0.167%
51	13.392	1918	1922	1926	rBV2	70294	71147	2.02%	0.200%
52	13.516	1940	1943	1946	rBV	50379	44344	1.26%	0.125%
53	13.639	1961	1964	1968	rBV4	23122	45294	1.29%	0.127%
54	13.910	2005	2010	2012	rBV2	60891	74572	2.12%	0.210%
55	13.974	2017	2021	2034	rVB4	505764	617934	17.57%	1.736%
56	14.163	2048	2053	2056	rBV2	925750	1054500	29.99%	2.963%
57	14.186	2056	2057	2065	rVB	215149	165127	4.70%	0.464%
58	14.557	2115	2120	2123	rBV	50022	61335	1.74%	0.172%
59	14.621	2128	2131	2135	rBV4	46367	64640	1.84%	0.182%
60	15.245	2233	2237	2241	rBV	138755	244305	6.95%	0.687%
61	15.292	2243	2245	2249	rVB2	130138	146410	4.16%	0.411%
62	15.363	2254	2257	2265	rVB	49124	82201	2.34%	0.231%
63	15.574	2289	2293	2299	rVB	98605	144257	4.10%	0.405%
64	15.639	2300	2304	2310	rVB	136766	175082	4.98%	0.492%
65	15.710	2310	2316	2320	rBV	544403	731843	20.81%	2.057%
66	16.168	2390	2394	2399	rVB3	45703	63436	1.80%	0.178%
67	16.221	2400	2403	2410	rVV4	45993	79978	2.27%	0.225%
68	17.286	2579	2584	2590	rBV2	50917	104238	2.96%	0.293%
69	17.768	2662	2666	2670	rVB	31280	53245	1.51%	0.150%

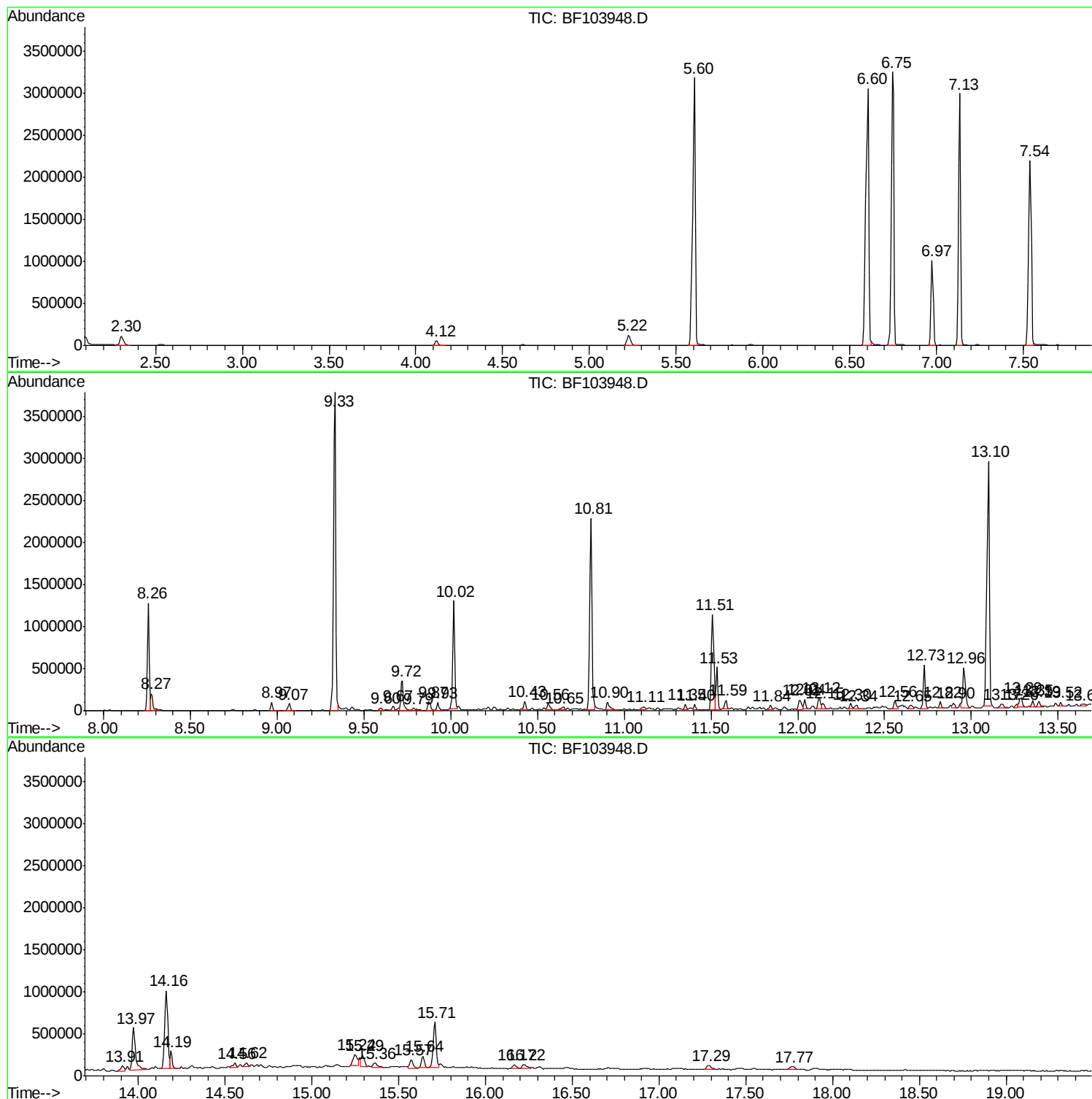
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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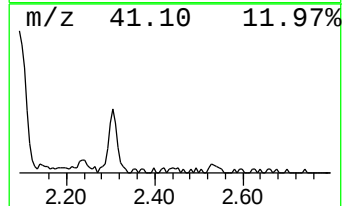
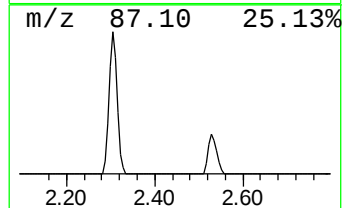
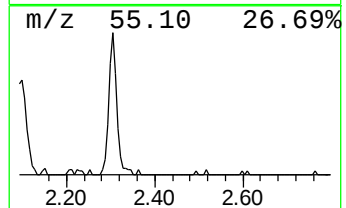
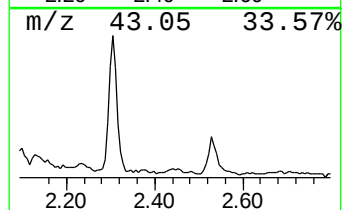
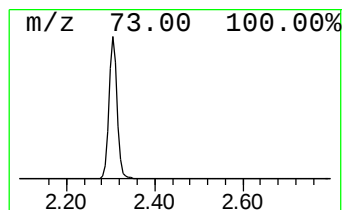
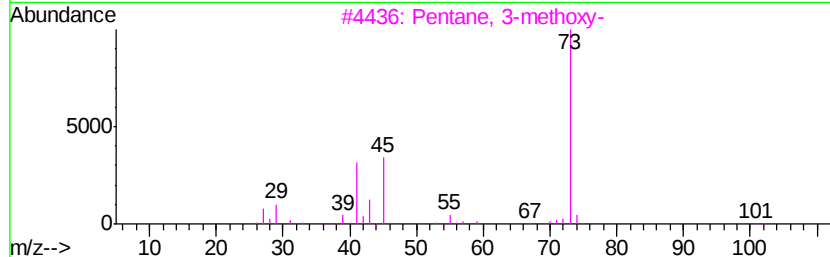
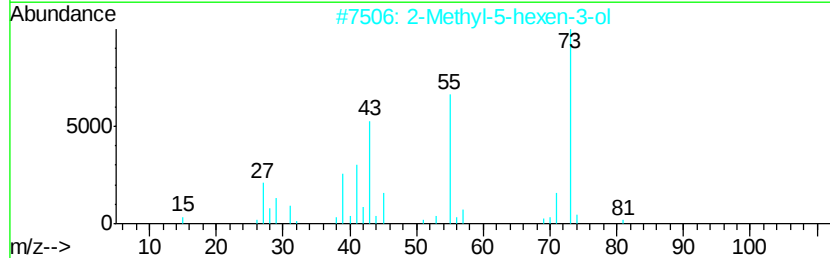
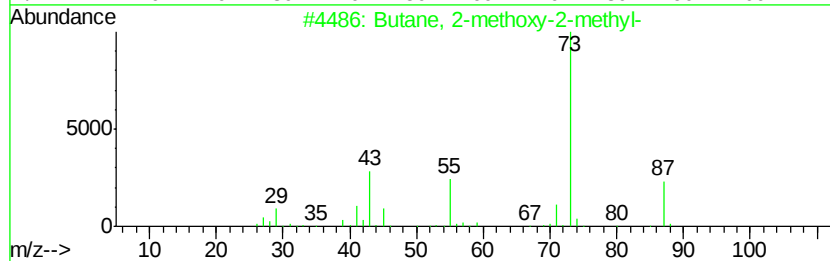
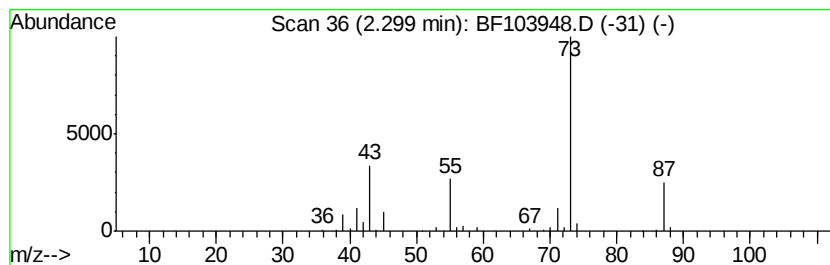
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	3.61 ng	141329	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
3			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



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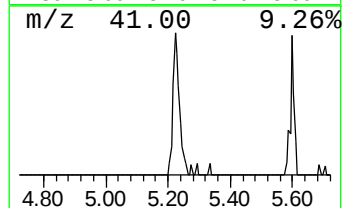
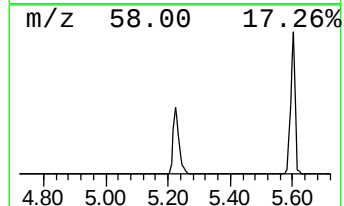
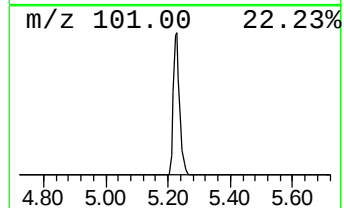
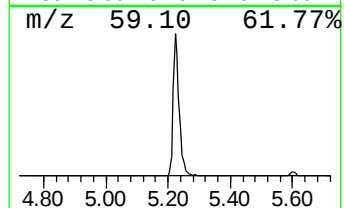
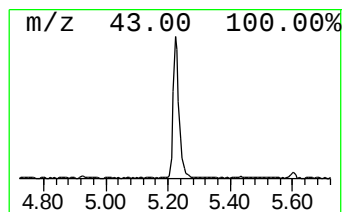
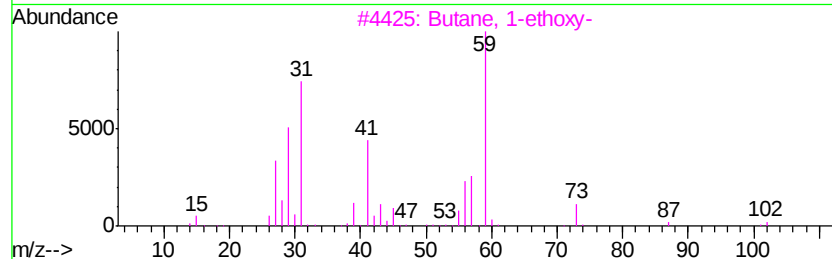
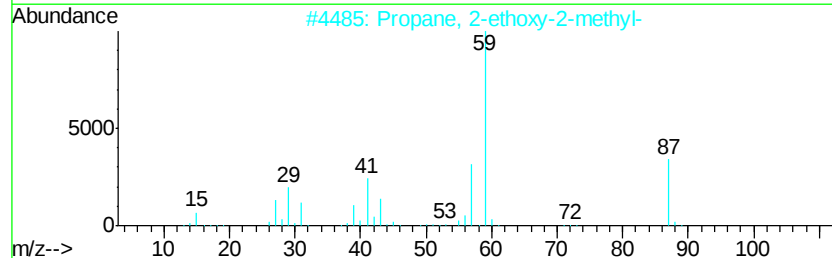
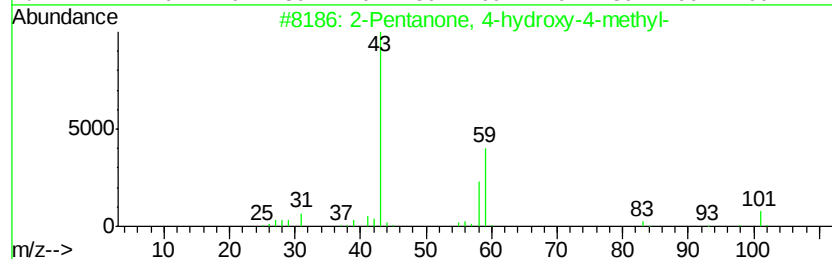
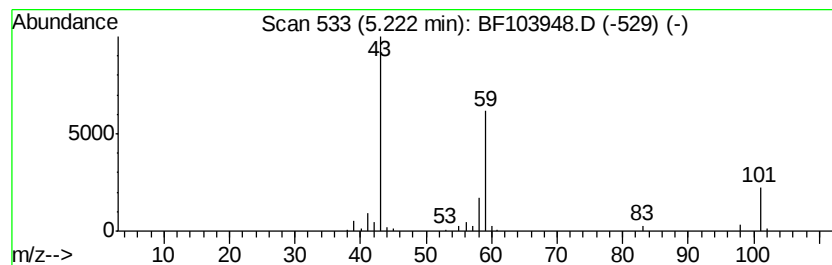
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	4.31 ng	168762	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9



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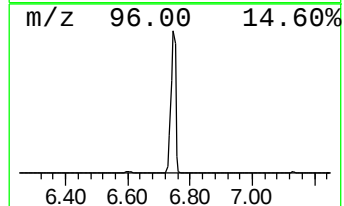
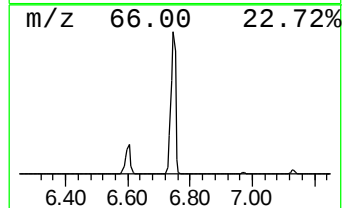
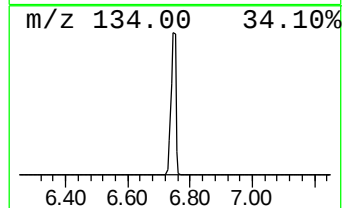
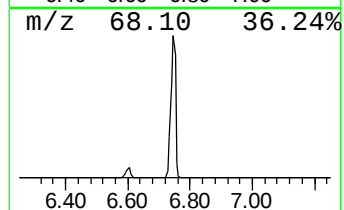
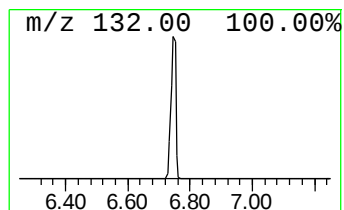
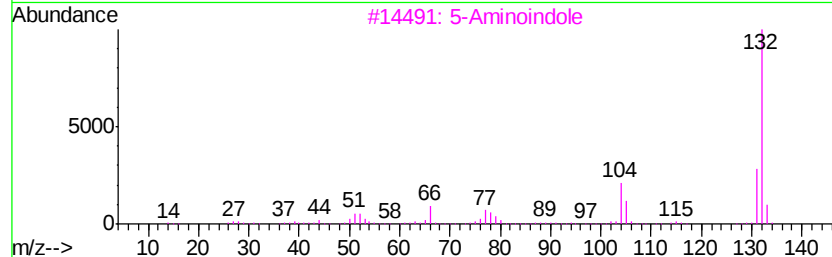
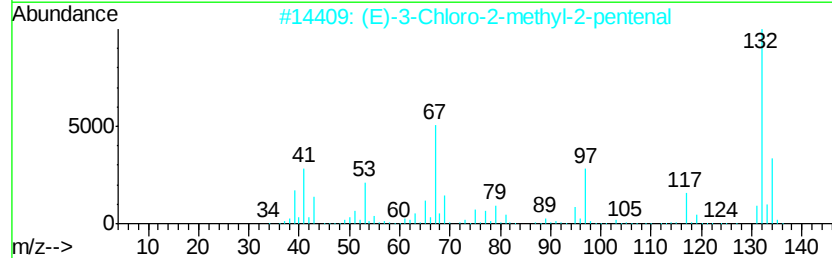
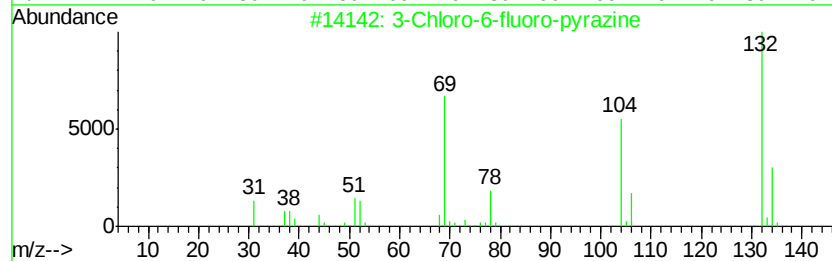
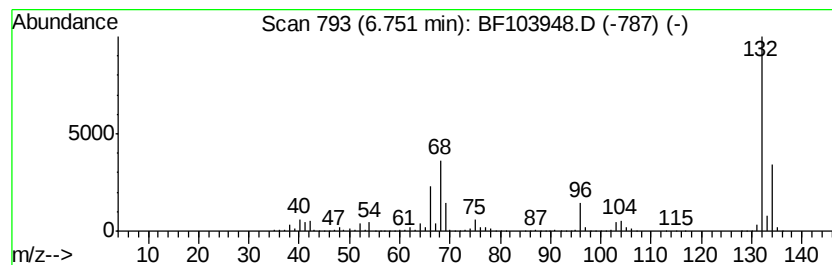
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	88.88 ng	3483720	1,4-Dichlorobenzene-d4	6.97

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	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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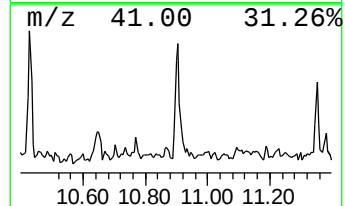
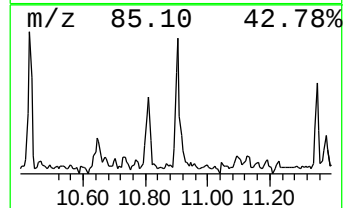
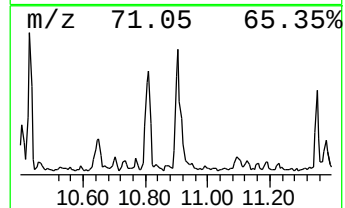
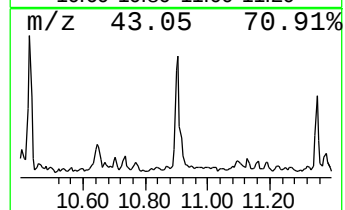
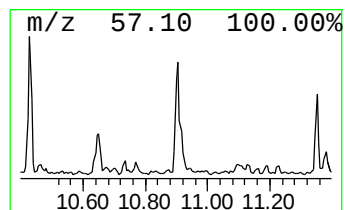
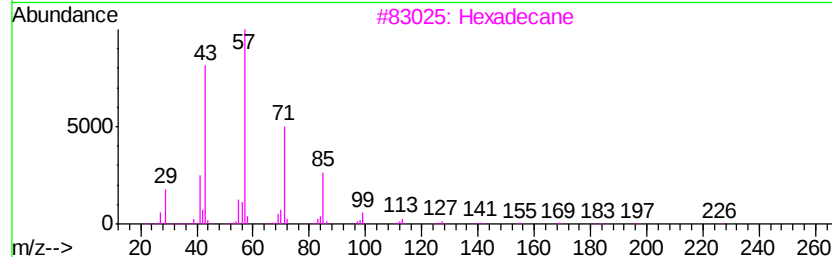
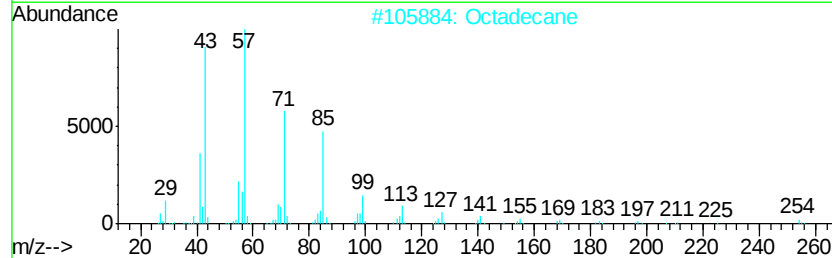
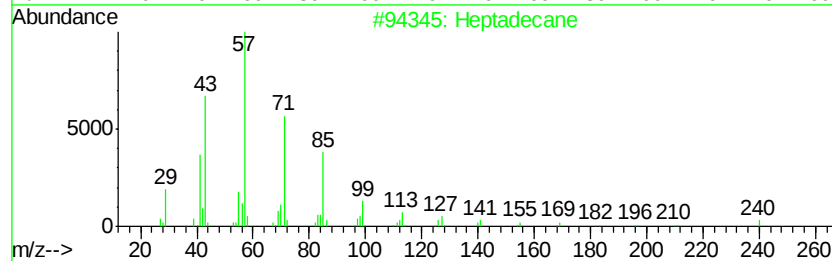
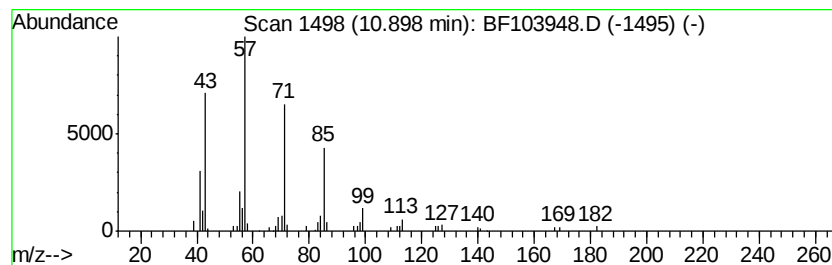
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Peak Number 5 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.47 ng	122543	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	91
2	Octadecane		254	C18H38	000593-45-3	91
3	Hexadecane		226	C16H34	000544-76-3	90
4	Heneicosane		296	C21H44	000629-94-7	87
5	Tetradecane		198	C14H30	000629-59-4	86



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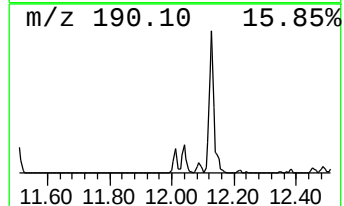
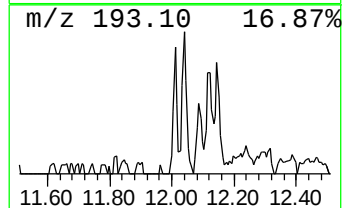
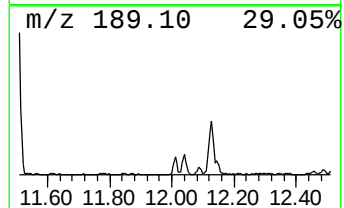
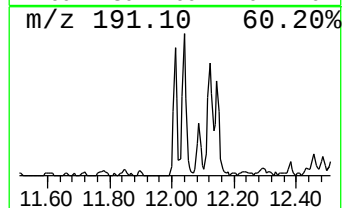
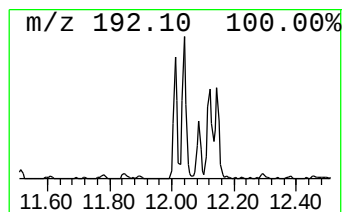
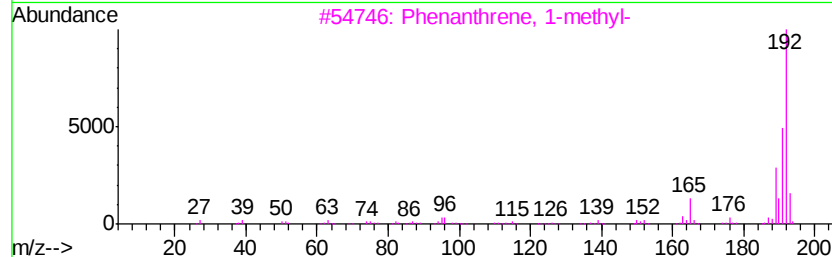
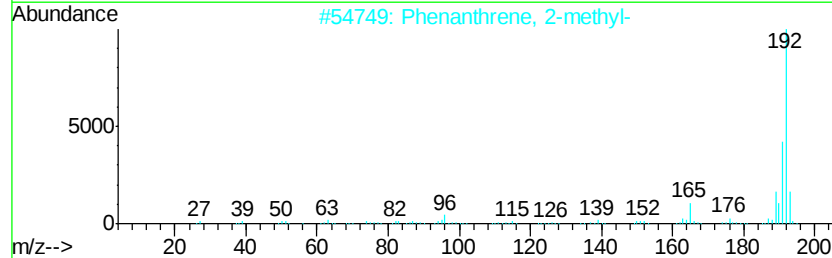
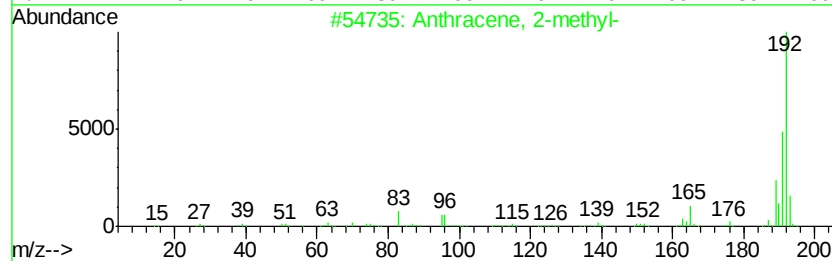
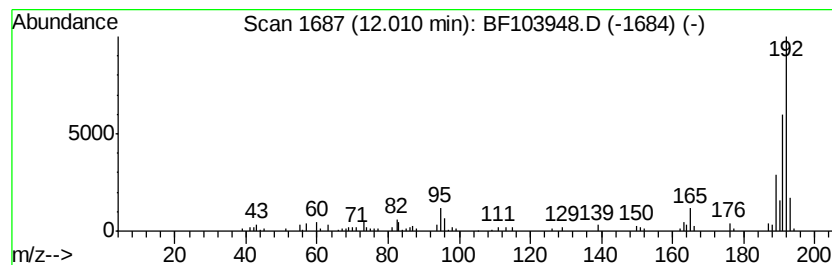
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.48 ng	122988	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
Data File : BF103948.D
Acq On : 27 Mar 2018 1:35
Operator : JU/SJ
Sample : J1998-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

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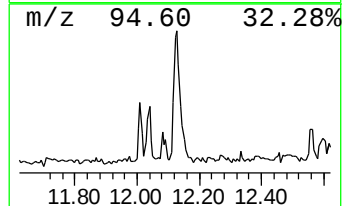
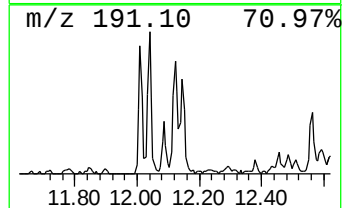
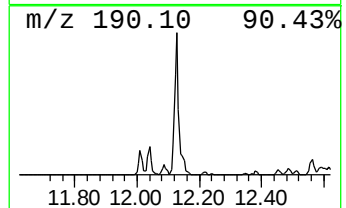
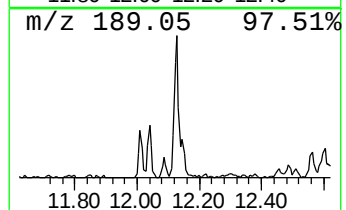
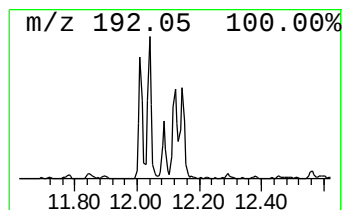
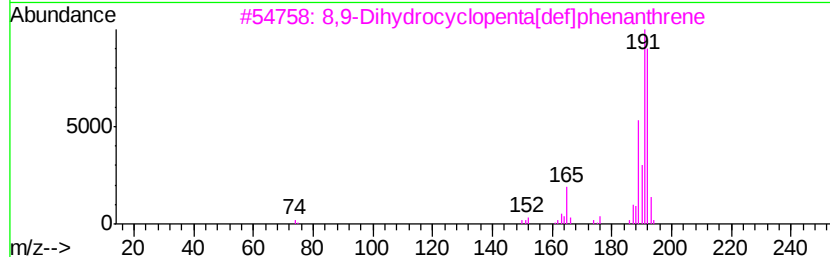
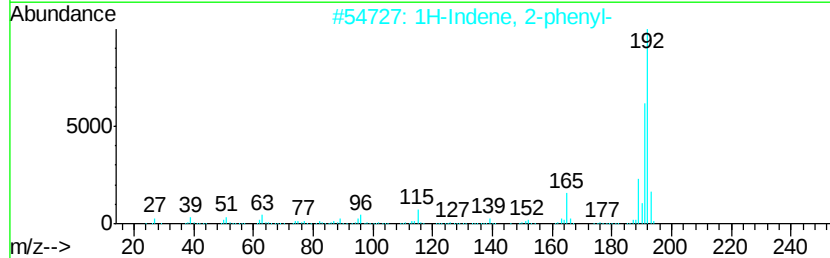
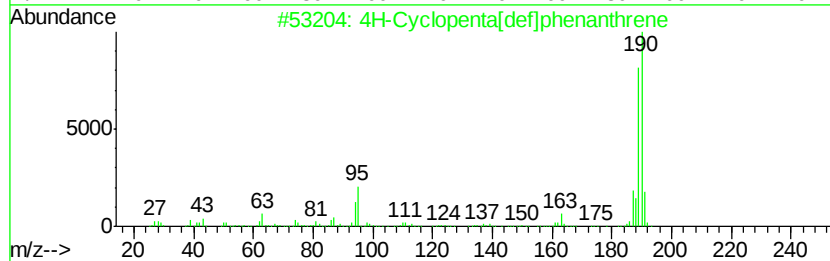
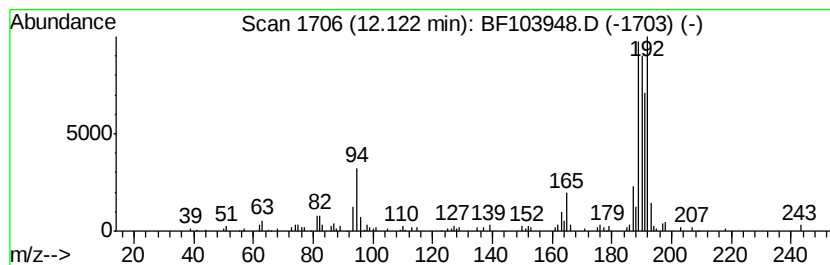
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.31 ng	163821	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
3		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	44
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
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SB-101(9-10)

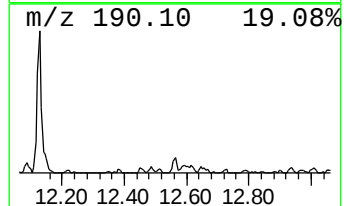
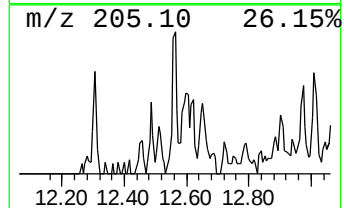
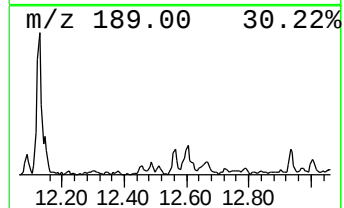
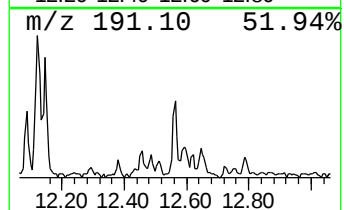
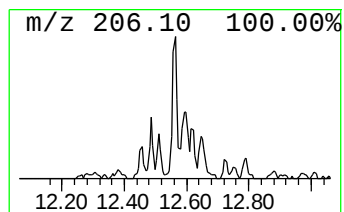
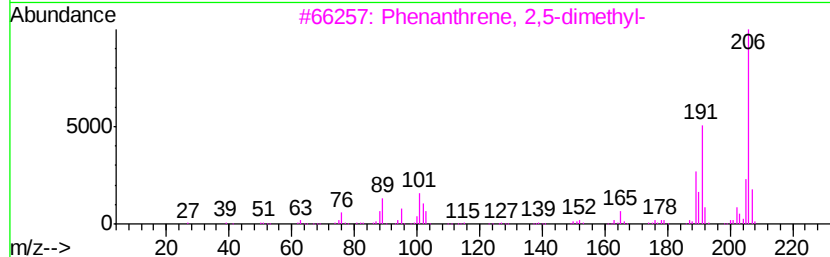
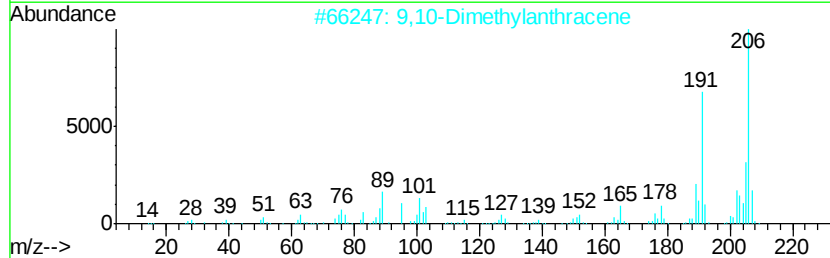
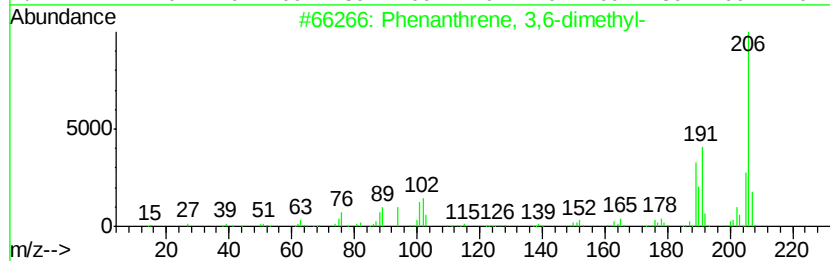
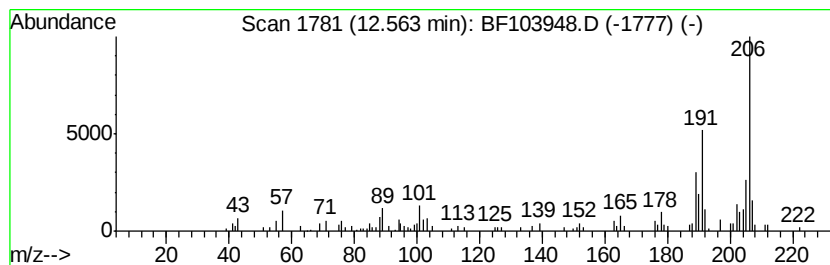
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.01 ng	99574	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
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Operator : JU/SJ
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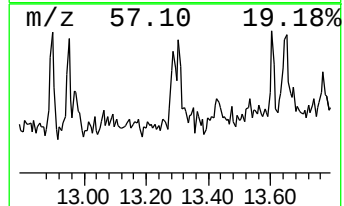
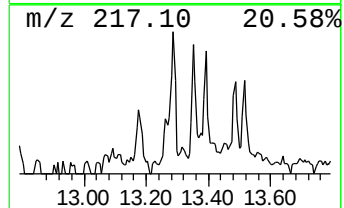
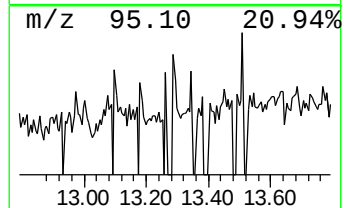
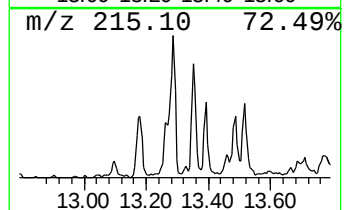
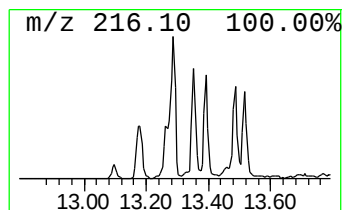
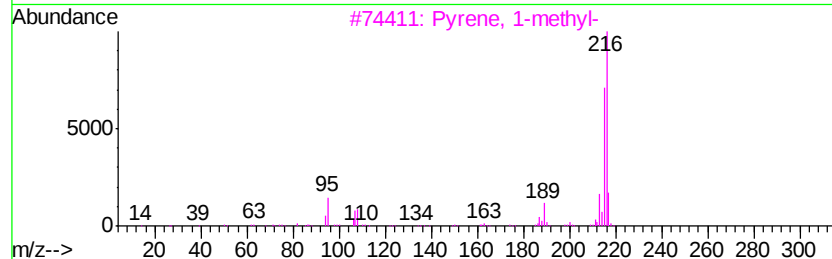
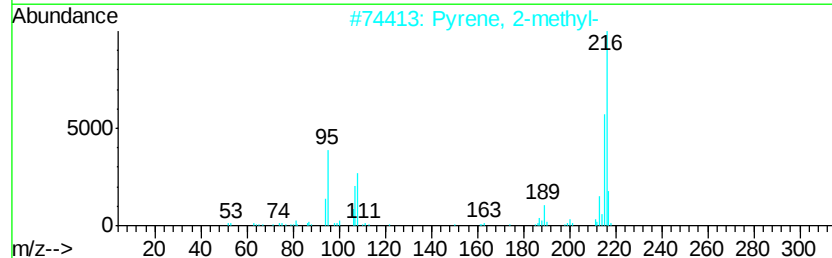
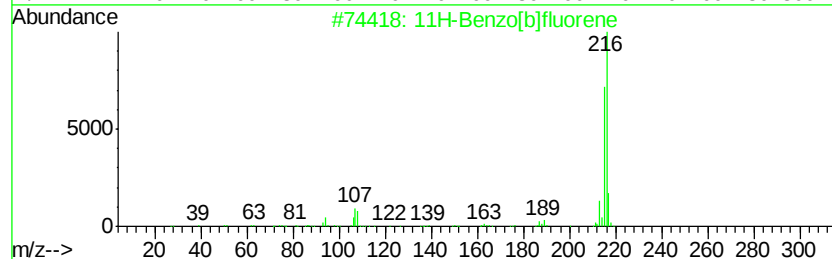
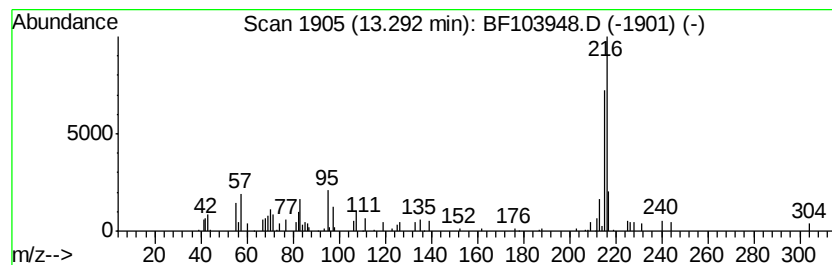
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	2.30 ng	121224	Chrysene-d12	14.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



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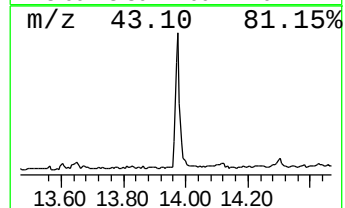
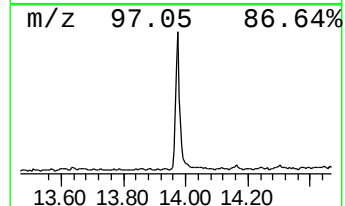
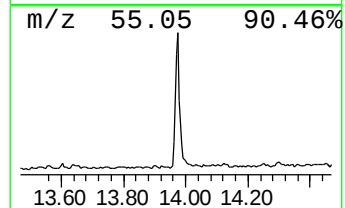
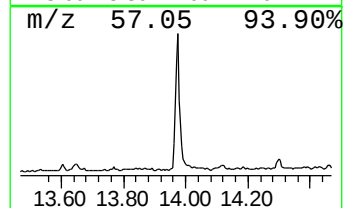
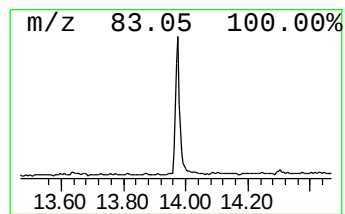
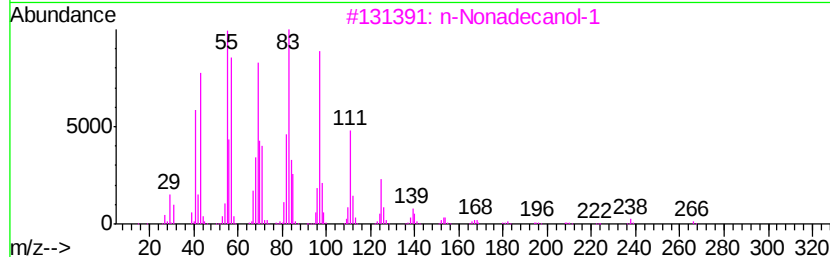
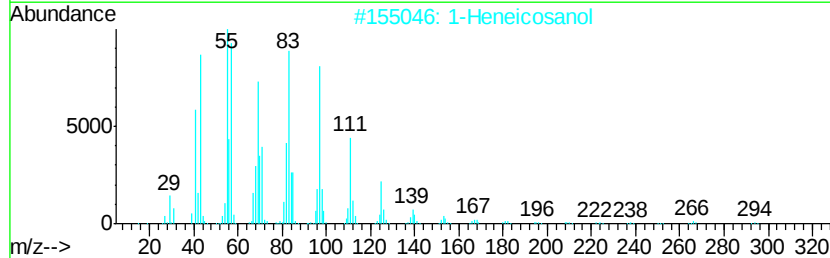
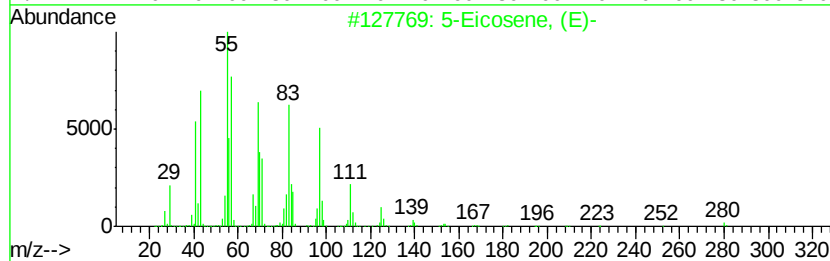
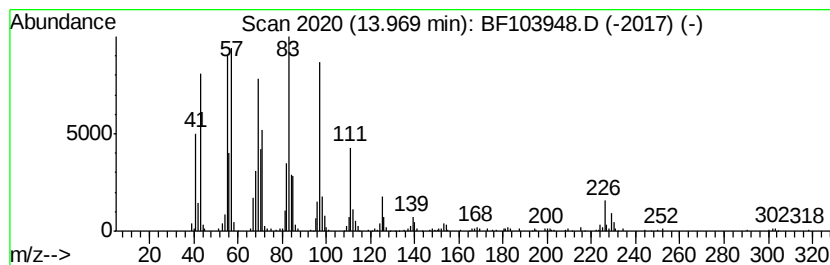
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	11.72 ng	617934	Chrysene-d12	14.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2		1-Heneicosanol	312	C21H44O	015594-90-8	95
3		n-Nonadecanol-1	284	C19H40O	001454-84-8	95
4		Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
5		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94



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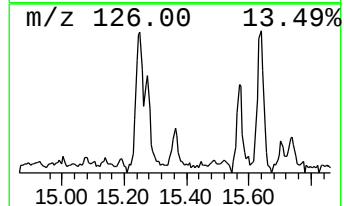
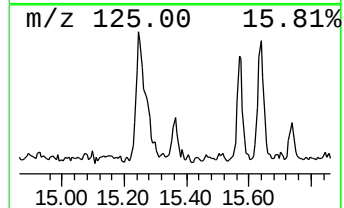
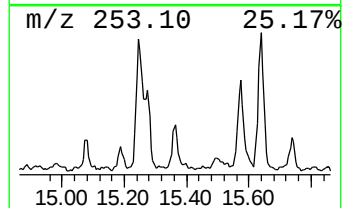
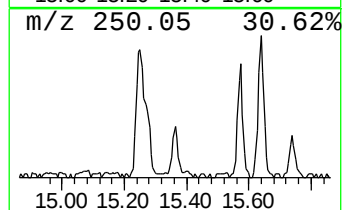
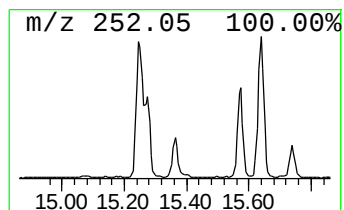
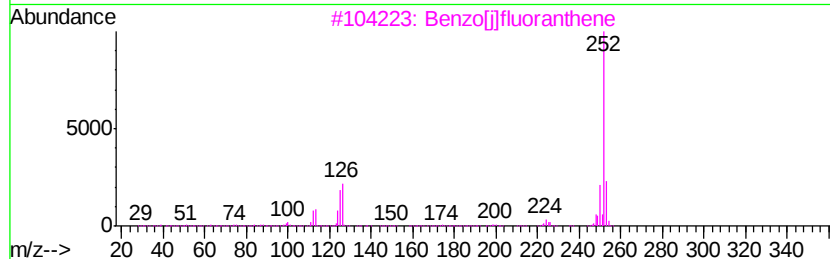
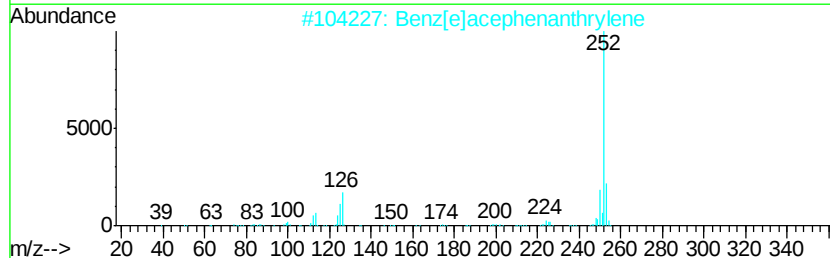
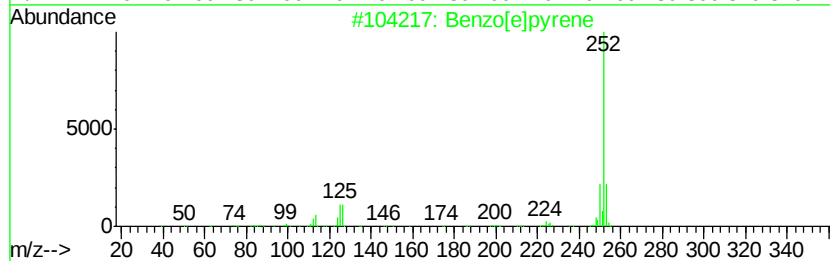
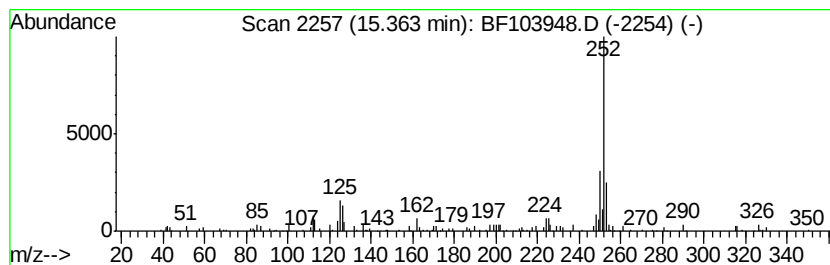
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	2.25 ng	82201	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]bpvrene	252	C20H12	000192-97-2	95
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	89
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	76
4		Benzo[a]bpvrene	252	C20H12	000050-32-8	76
5		Perylene	252	C20H12	000198-55-0	76



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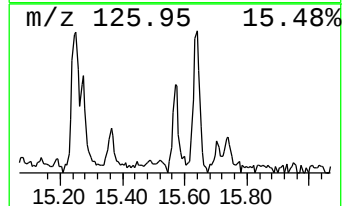
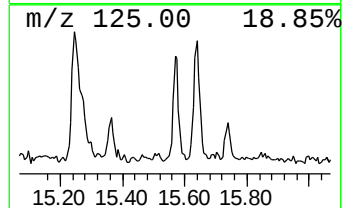
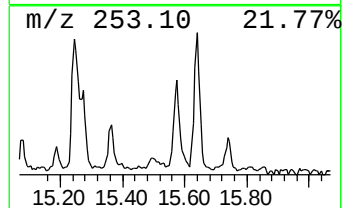
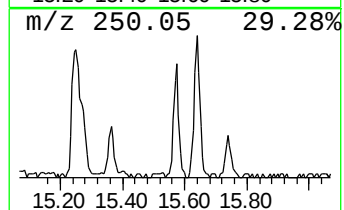
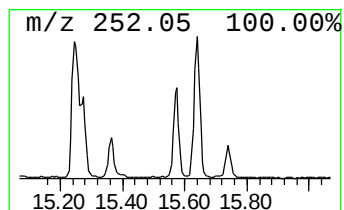
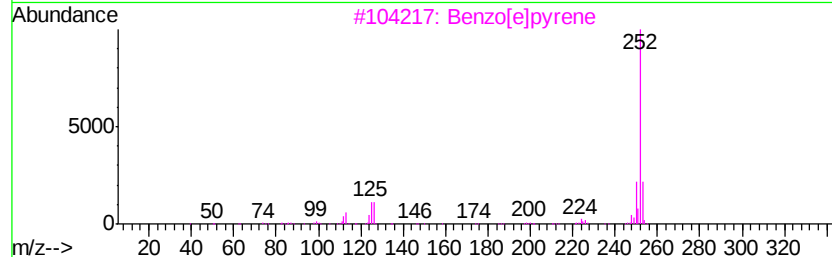
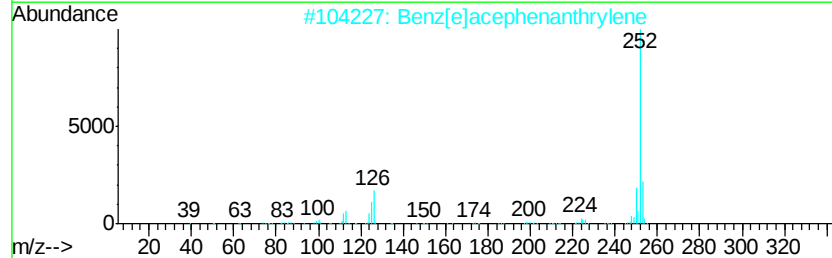
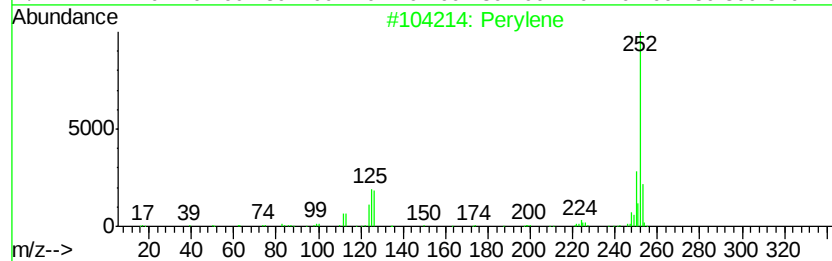
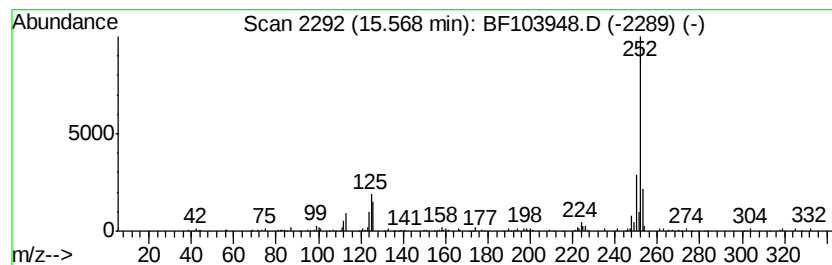
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	3.94 ng	144257	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3		Benzo[e]pyrene	252	C20H12	000192-97-2	96
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
Data File : BF103948.D
Acq On : 27 Mar 2018 1:35
Operator : JU/SJ
Sample : J1998-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-101(9-10)

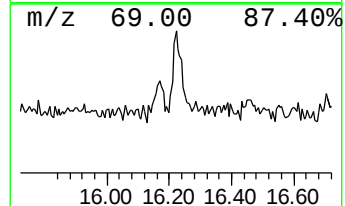
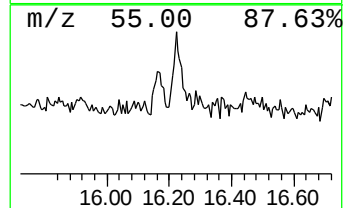
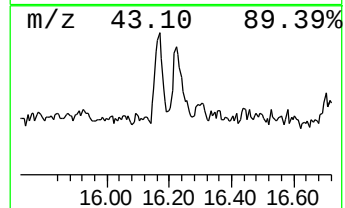
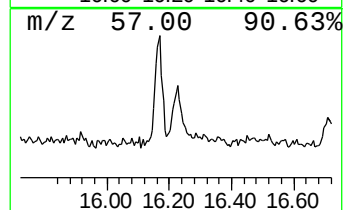
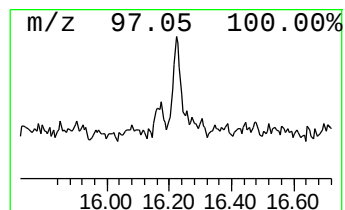
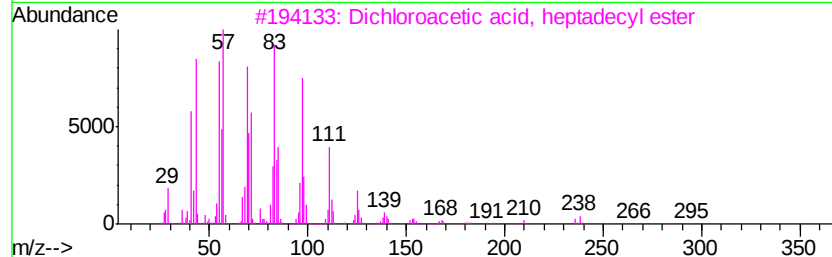
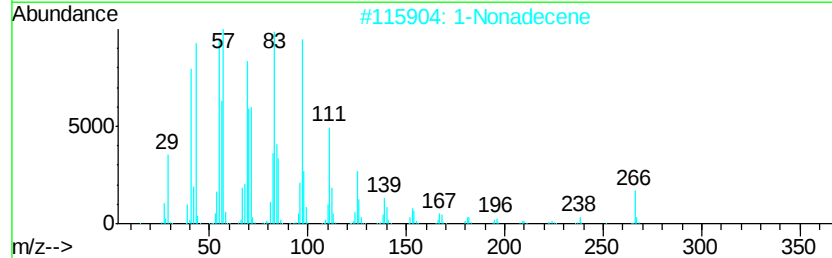
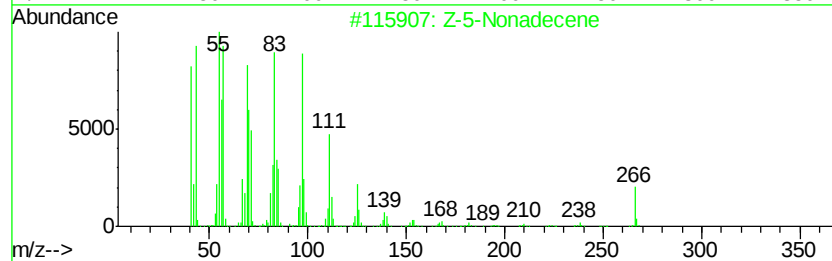
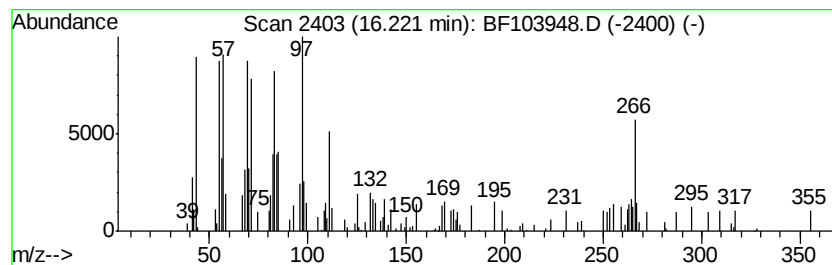
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Z-5-Nonadecene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	2.19 ng	79978	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Z-5-Nonadecene	266	C19H38	1000131-11-8	83
2		1-Nonadecene	266	C19H38	018435-45-5	83
3		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	74
4		1-Heptacosanol	396	C27H56O	002004-39-9	68
5		Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
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Acq On : 27 Mar 2018 1:35
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Sample : J1998-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-101(9-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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
Butane, 2-methoxy...	2.30	3.6	ng	141329	1	6.97	783923	20.0
2-Pentanone, 4-hy...	5.22	4.3	ng	168762	1	6.97	783923	20.0
unknown6.75	6.75	88.9	ng	3483720	1	6.97	783923	20.0
Heptadecane	10.90	2.5	ng	122543	4	11.51	991279	20.0
Anthracene, 2-met...	12.01	2.5	ng	122988	4	11.51	991279	20.0
4H-Cyclopenta[def...	12.12	3.3	ng	163821	4	11.51	991279	20.0
Phenanthrene, 3,6...	12.56	2.0	ng	99574	4	11.51	991279	20.0
11H-Benzo[b]fluorene	13.29	2.3	ng	121224	5	14.16	1054500	20.0
5-Eicosene, (E)-	13.97	11.7	ng	617934	5	14.16	1054500	20.0
Benzo[e]pyrene	15.36	2.3	ng	82201	6	15.71	731843	20.0
Perylene	15.57	3.9	ng	144257	6	15.71	731843	20.0
Z-5-Nonadecene	16.22	2.2	ng	79978	6	15.71	731843	20.0