

Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
 Data File : BF093932.D
 Acq On : 25 Mar 2017 3:03
 Operator : SJ/MA
 Sample : I2379-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3

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-BF032217.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	4.116	374	379	388	rVB	435722	595728	12.54%	0.946%
2	4.499	438	444	447	rBV	3999638	4615680	97.14%	7.333%
3	5.563	618	625	628	rBV	3775714	4731240	99.58%	7.516%
4	5.710	644	650	653	rBV	4205741	4751398	100.00%	7.548%
5	5.957	688	692	696	rBV	1038989	993840	20.92%	1.579%
6	6.140	718	723	727	rVB	3465513	3647751	76.77%	5.795%
7	6.610	796	803	806	rBV	2626637	3065060	64.51%	4.869%
8	6.740	817	825	829	rBV	49275	69804	1.47%	0.111%
9	7.463	943	948	951	rBV	1369886	1311961	27.61%	2.084%
10	8.792	1164	1174	1177	rBV	3999966	4591693	96.64%	7.295%
11	9.281	1252	1257	1261	rBV	433647	383956	8.08%	0.610%
12	9.604	1308	1312	1316	rVV2	1237582	1305838	27.48%	2.074%
13	9.645	1316	1319	1324	rVB	298219	270113	5.68%	0.429%
14	9.857	1351	1355	1359	rBV	90326	90778	1.91%	0.144%
15	10.192	1408	1412	1416	rBV	97848	92011	1.94%	0.146%
16	10.281	1423	1427	1431	rVB	225267	218791	4.60%	0.348%
17	10.357	1435	1440	1443	rBV	37681	48489	1.02%	0.077%
18	10.475	1457	1460	1467	rVB3	38843	64266	1.35%	0.102%
19	10.581	1472	1478	1481	rBV	2098536	2371515	49.91%	3.767%
20	10.780	1508	1512	1514	rBV	104668	113203	2.38%	0.180%
21	11.263	1590	1594	1597	rBV2	55318	59624	1.25%	0.095%
22	11.298	1597	1600	1603	rVV	101877	98234	2.07%	0.156%
23	11.333	1603	1606	1609	rVB	77488	68296	1.44%	0.108%
24	11.433	1618	1623	1625	rBV	957658	1064835	22.41%	1.692%
25	11.463	1625	1628	1631	rVV	2017760	1849359	38.92%	2.938%
26	11.522	1631	1638	1642	rVV	589157	565205	11.90%	0.898%
27	11.563	1642	1645	1651	rVB	57731	70443	1.48%	0.112%
28	11.722	1669	1672	1676	rVB	308585	287896	6.06%	0.457%
29	12.057	1722	1729	1731	rBV	150378	172640	3.63%	0.274%
30	12.086	1731	1734	1739	rVV	248646	249051	5.24%	0.396%
31	12.145	1739	1744	1747	rVV	94684	102006	2.15%	0.162%
32	12.186	1747	1751	1754	rVV	382947	408992	8.61%	0.650%
33	12.216	1754	1756	1762	rVB	105775	96953	2.04%	0.154%
34	12.422	1788	1791	1797	rBV2	132102	208511	4.39%	0.331%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

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Max Peaks: 100

Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
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35	12.733	1840	1844	1848	rBV	56254	77733	1.64%	0.123%
36	12.780	1848	1852	1854	rBV2	45491	52696	1.11%	0.084%
37	12.927	1871	1877	1881	rBV	2501628	2699846	56.82%	4.289%
38	12.998	1886	1889	1892	rBV	55020	57447	1.21%	0.091%
39	13.104	1903	1907	1910	rBV2	80007	92961	1.96%	0.148%
40	13.204	1916	1924	1927	rBV2	2139453	2796379	58.85%	4.442%
41	13.233	1927	1929	1932	rVV2	89508	95957	2.02%	0.152%
42	13.269	1932	1935	1938	rVB	87340	79993	1.68%	0.127%
43	13.357	1944	1950	1953	rBV	139050	158562	3.34%	0.252%
44	13.410	1953	1959	1963	rVV	2571749	2919924	61.45%	4.639%
45	13.457	1964	1967	1969	rVV2	65435	81062	1.71%	0.129%
46	13.486	1969	1972	1975	rVV2	118416	165966	3.49%	0.264%
47	13.516	1975	1977	1980	rVV	96028	83805	1.76%	0.133%
48	13.586	1984	1989	1991	rVV2	103589	176005	3.70%	0.280%
49	13.616	1991	1994	1998	rVB	448408	437429	9.21%	0.695%
50	13.698	2004	2008	2011	rBV	447995	434763	9.15%	0.691%
51	13.739	2011	2015	2018	rVV	210795	237201	4.99%	0.377%
52	13.769	2018	2020	2025	rVB	138343	153705	3.23%	0.244%
53	13.816	2025	2028	2031	rVB	53517	51780	1.09%	0.082%
54	13.851	2031	2034	2037	rBV	100824	87649	1.84%	0.139%
55	13.886	2037	2040	2043	rBV	80065	83505	1.76%	0.133%
56	14.116	2070	2079	2081	rBV7	75079	133196	2.80%	0.212%
57	14.145	2081	2084	2087	rVV	108559	132042	2.78%	0.210%
58	14.233	2091	2099	2107	rVB2	77792	217819	4.58%	0.346%
59	14.368	2117	2122	2126	rBV	211041	289019	6.08%	0.459%
60	14.410	2126	2129	2131	rVV	165008	172674	3.63%	0.274%
61	14.433	2131	2133	2135	rVV	131825	113375	2.39%	0.180%
62	14.457	2135	2137	2141	rVB3	73128	85468	1.80%	0.136%
63	14.563	2151	2155	2165	rBV2	214283	347489	7.31%	0.552%
64	14.680	2165	2175	2179	rBV2	1415130	2749703	57.87%	4.368%
65	14.716	2179	2181	2184	rVV	1186558	1130281	23.79%	1.796%
66	14.739	2184	2185	2189	rVB3	78487	79865	1.68%	0.127%
67	14.810	2192	2197	2201	rBV	321870	347781	7.32%	0.552%
68	14.851	2201	2204	2207	rBV2	75240	71892	1.51%	0.114%
69	14.921	2212	2216	2218	rBV	164646	177534	3.74%	0.282%
70	14.963	2221	2223	2228	rVB	139741	139295	2.93%	0.221%
71	15.080	2238	2243	2247	rBV2	89124	120561	2.54%	0.192%

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72	15.121	2247	2250	2252	rVV	68618	69779	1.47%	0.111%
73	15.163	2252	2257	2260	rVV	186172	240292	5.06%	0.382%
74	15.204	2260	2264	2269	rVB2	97088	115804	2.44%	0.184%
75	15.274	2273	2276	2279	rVB2	128900	125840	2.65%	0.200%
76	15.310	2279	2282	2284	rBV3	96613	110606	2.33%	0.176%
77	15.333	2284	2286	2292	rVB3	134963	169451	3.57%	0.269%
78	15.415	2297	2300	2306	rVB2	75554	111088	2.34%	0.176%
79	15.527	2316	2319	2322	rBV3	92467	114760	2.42%	0.182%
80	15.786	2360	2363	2367	rBV2	94565	106642	2.24%	0.169%
81	15.910	2379	2384	2387	rBV	1010536	1534089	32.29%	2.437%
82	16.015	2399	2402	2405	rVB	174610	177228	3.73%	0.282%
83	16.198	2429	2433	2439	rVB	550269	666225	14.02%	1.058%
84	16.262	2439	2444	2449	rVB	807972	918626	19.33%	1.459%
85	16.321	2449	2454	2457	rBV	614312	786787	16.56%	1.250%
86	16.351	2457	2459	2467	rVB	252431	276315	5.82%	0.439%
87	16.851	2541	2544	2548	rVB4	63902	81584	1.72%	0.130%
88	17.698	2683	2688	2698	rVB2	269877	533436	11.23%	0.847%
89	17.874	2713	2718	2722	rBV3	54959	110552	2.33%	0.176%
90	18.104	2752	2757	2770	rVB	199623	407594	8.58%	0.648%
91	18.745	2860	2866	2873	rVB5	150045	322991	6.80%	0.513%

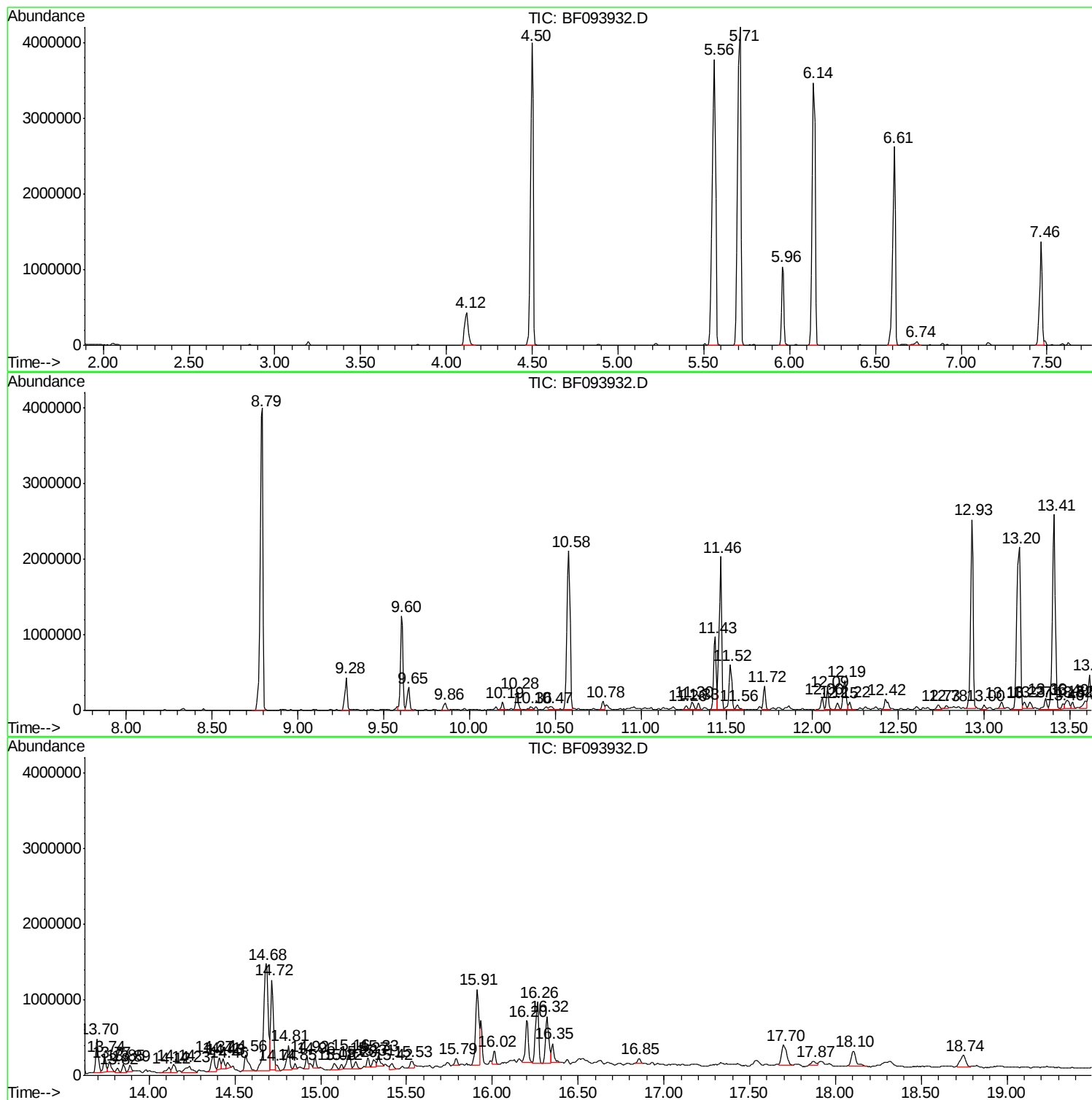
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Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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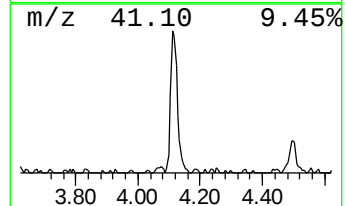
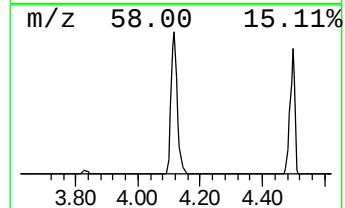
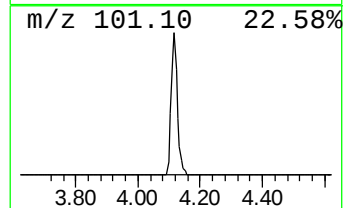
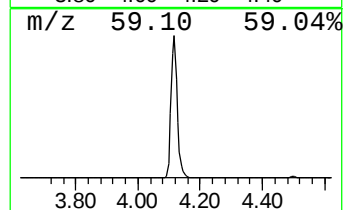
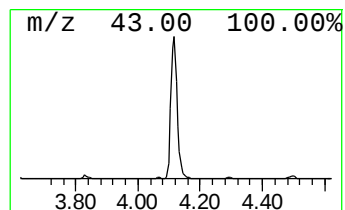
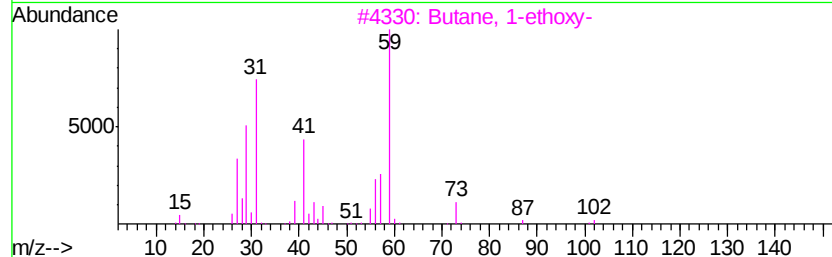
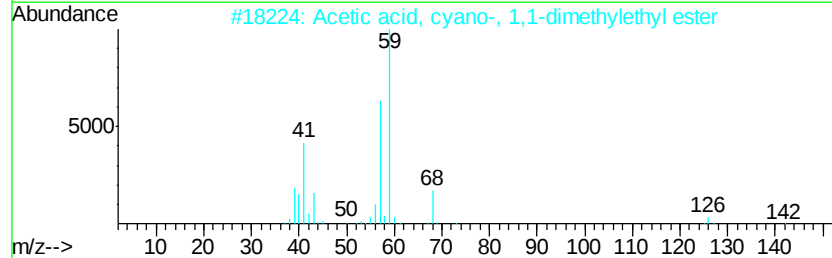
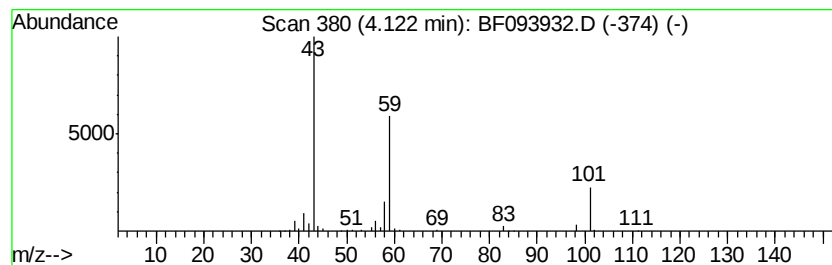
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	11.99 ng	595728	1,4-Dichlorobenzene-d4	5.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		5-Hexen-2-one	98	C6H10O	000109-49-9	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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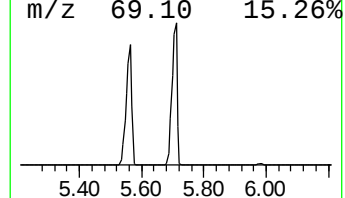
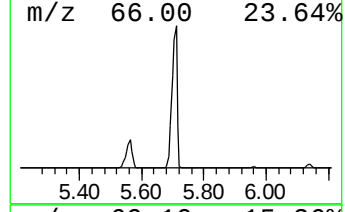
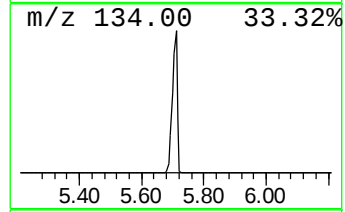
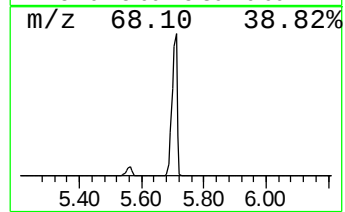
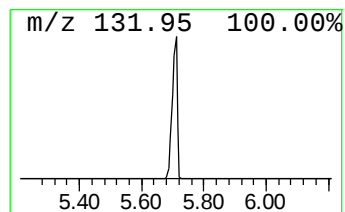
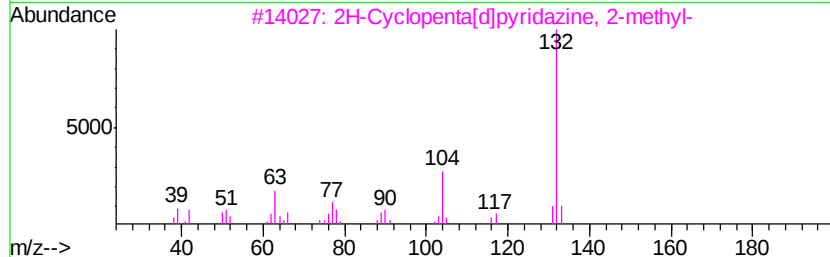
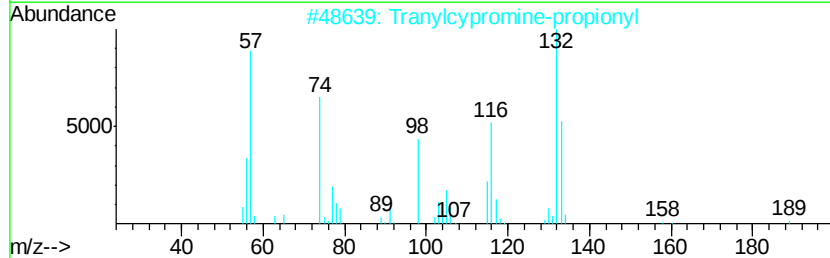
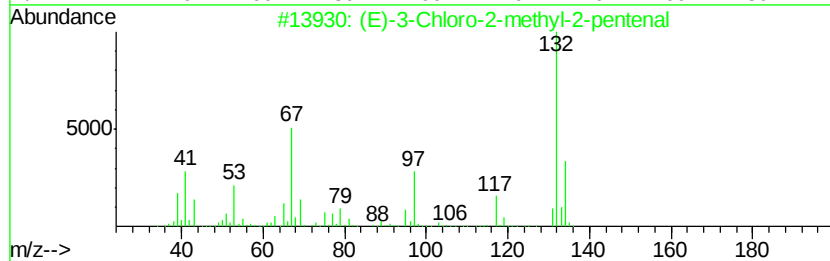
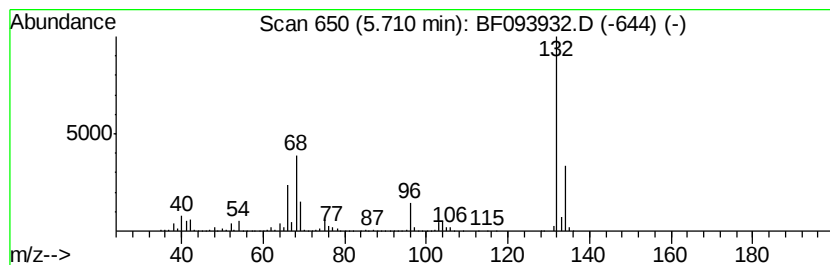
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 unknown5.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	95.62 ng	4751400	1,4-Dichlorobenzene-d4	5.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		Tranvlcypropromine-propionyl	189	C12H15NO	1000123-86-3	10
3		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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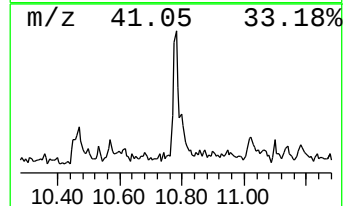
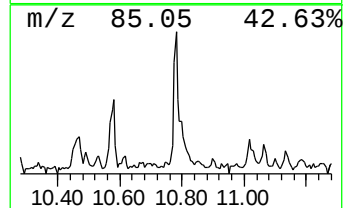
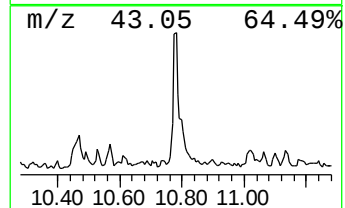
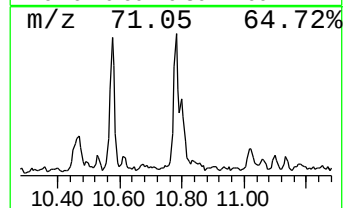
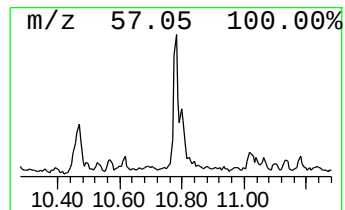
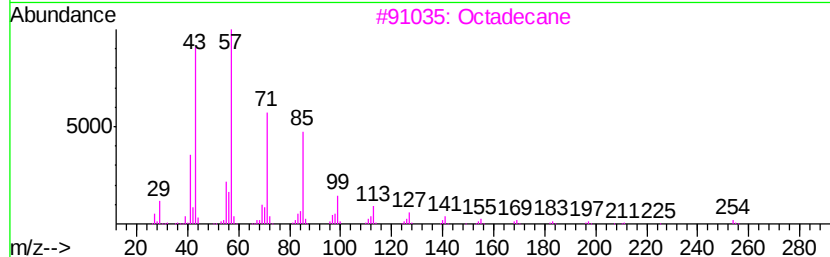
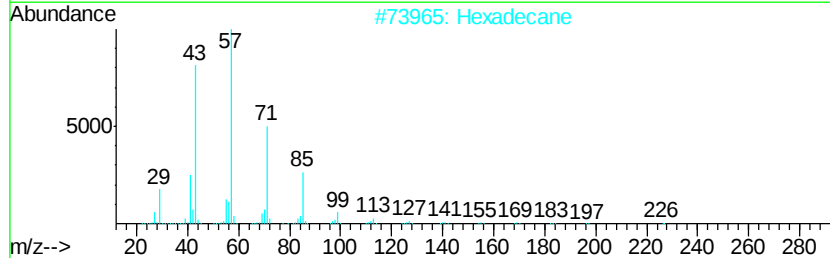
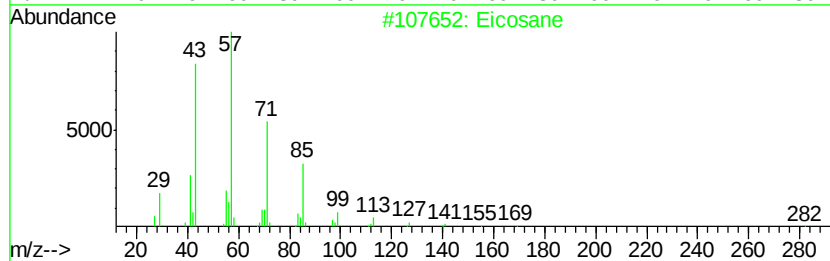
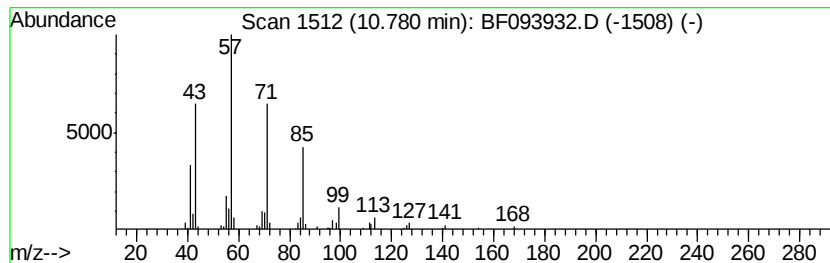
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Eicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.13 ng	113203	Phenanthrene-d10	11.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	91
2	Hexadecane		226	C16H34	000544-76-3	90
3	Octadecane		254	C18H38	000593-45-3	90
4	Heptacosane		380	C27H56	000593-49-7	90
5	Tetracosane		338	C24H50	000646-31-1	87



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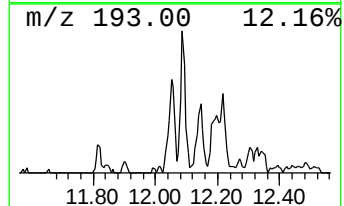
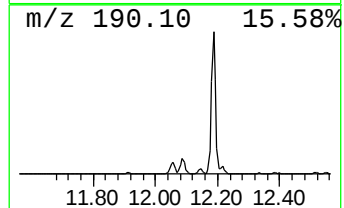
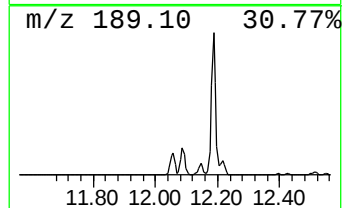
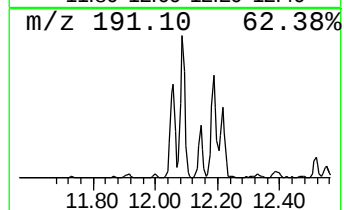
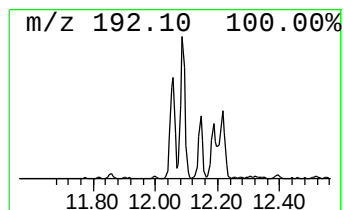
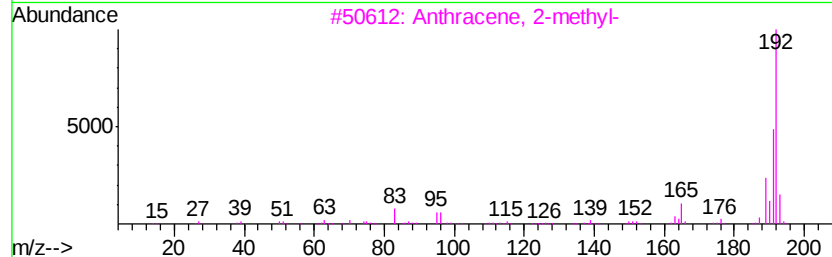
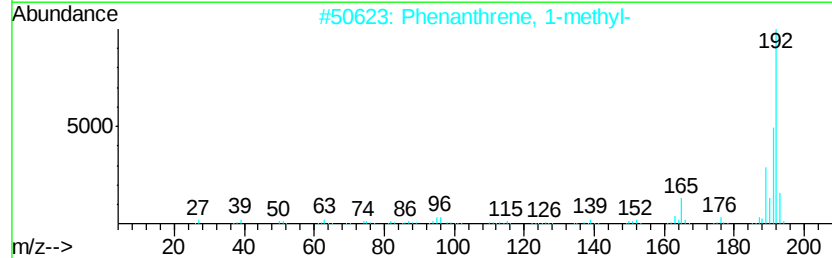
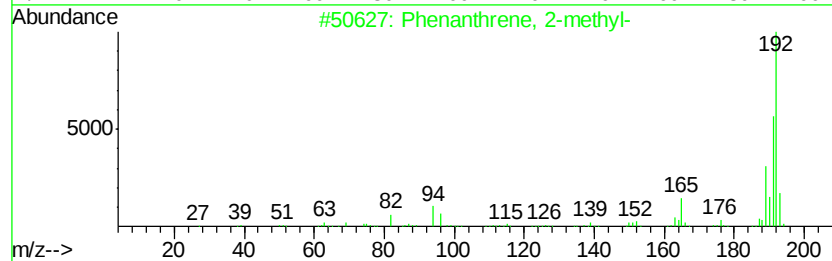
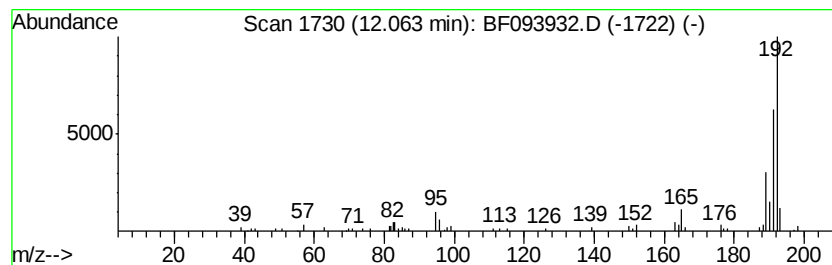
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.24 ng	172640	Phenanthrene-d10	11.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093932.D
Acq On : 25 Mar 2017 3:03
Operator : SJ/MA
Sample : I2379-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

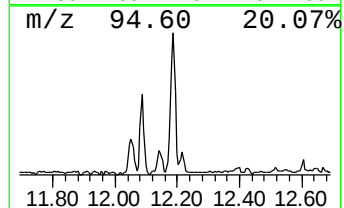
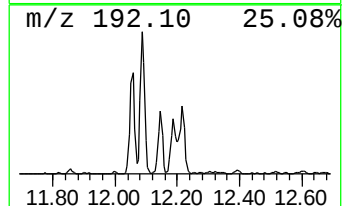
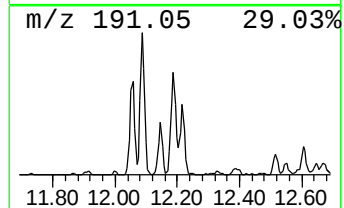
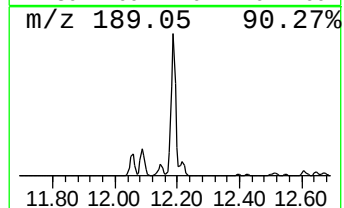
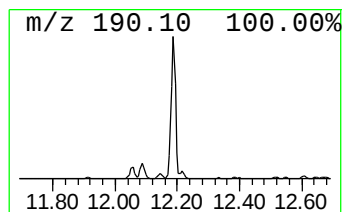
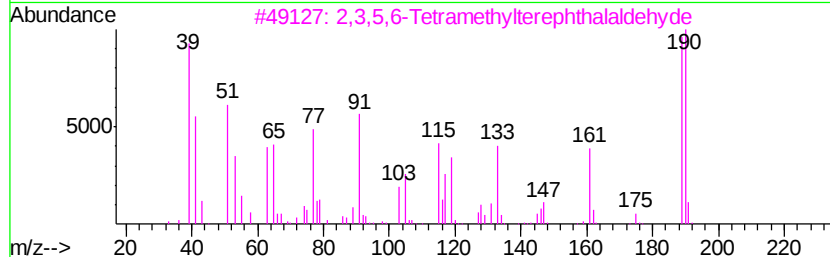
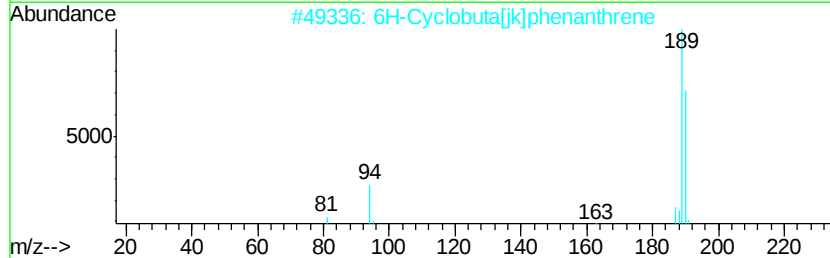
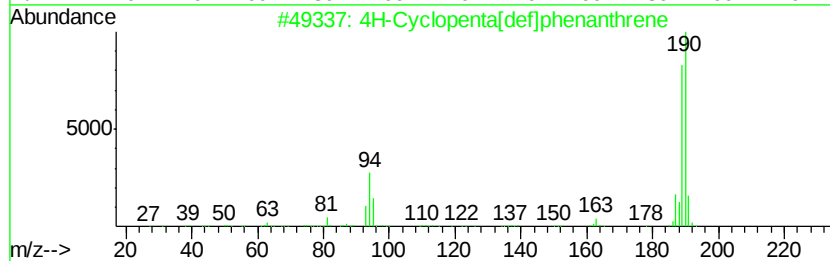
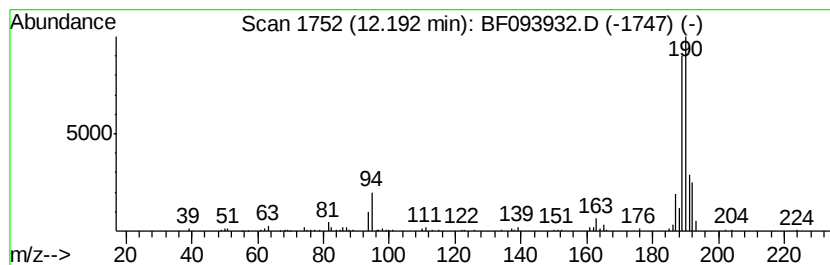
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.19	7.68 ng	408992	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093932.D
Acq On : 25 Mar 2017 3:03
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Sample : I2379-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

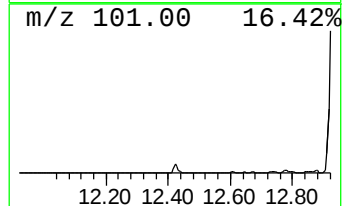
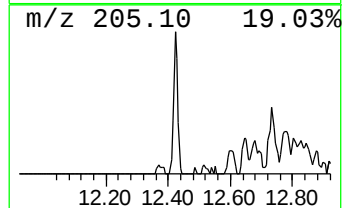
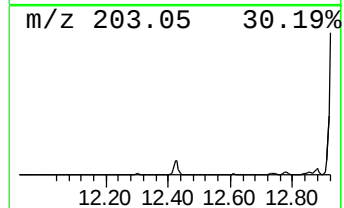
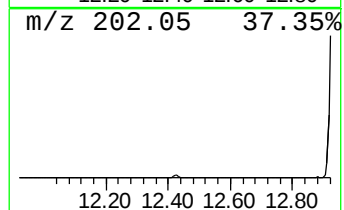
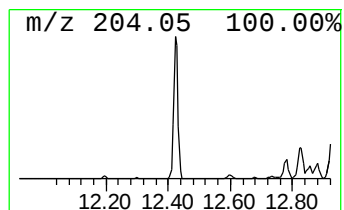
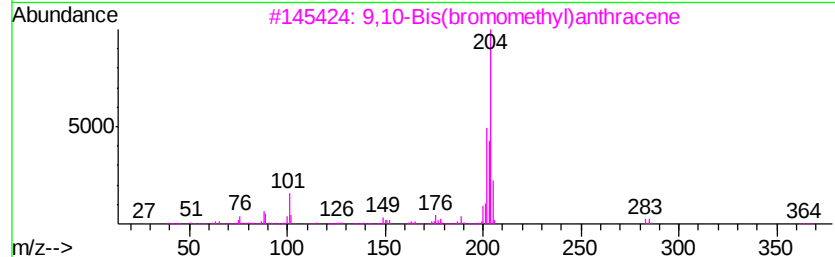
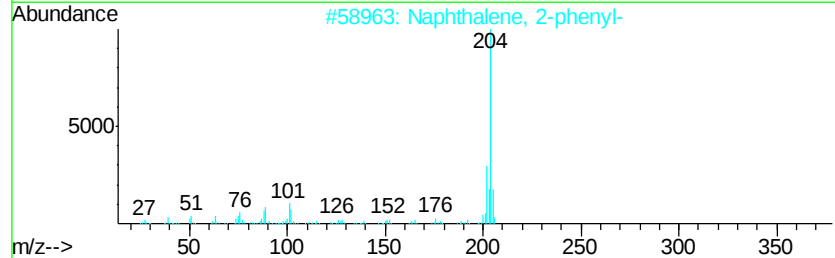
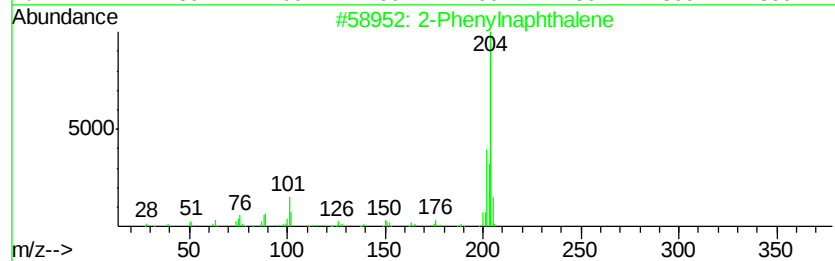
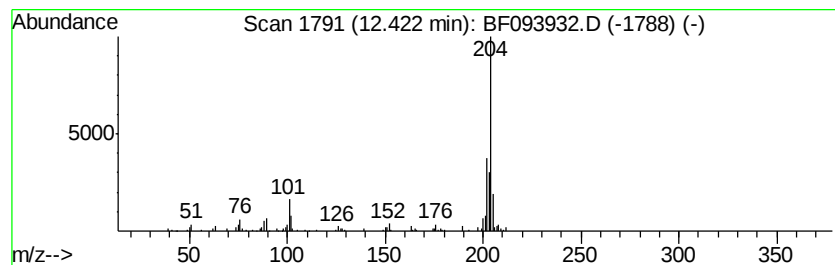
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.42	3.92 ng	208511	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	98
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
4	1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	90
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
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Sample : I2379-03
Misc :
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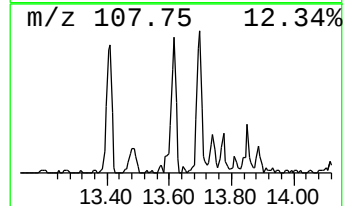
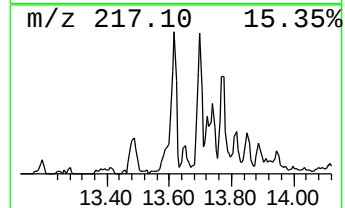
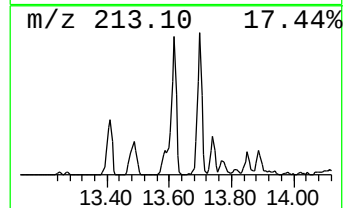
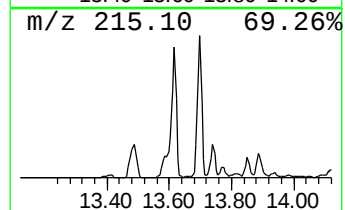
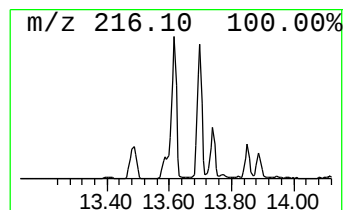
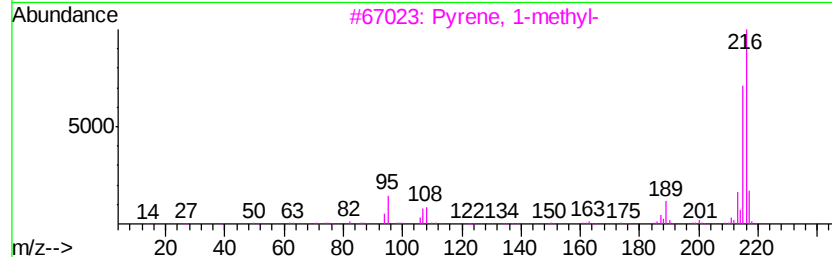
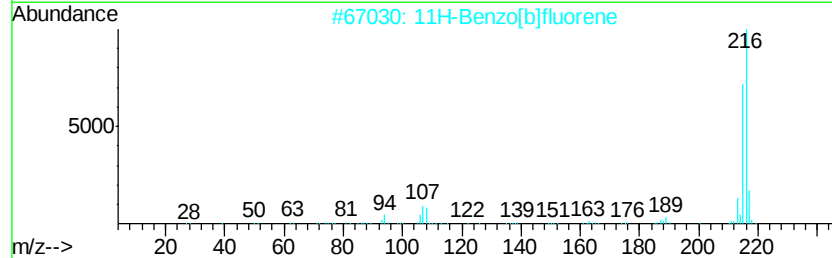
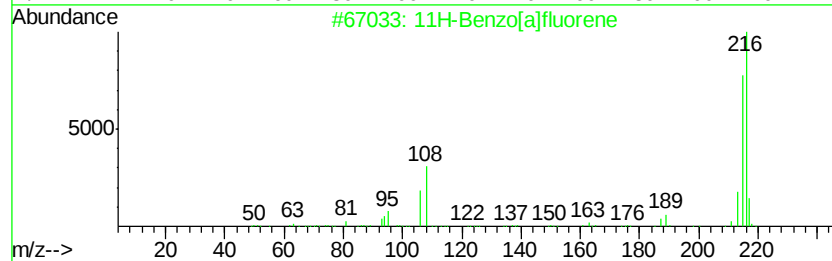
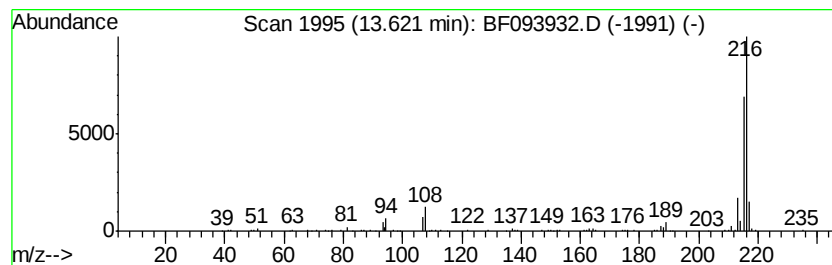
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	3.18 ng	437429	Chrysene-d12	14.69
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
3		Pvrene, 1-methyl-	216 C17H12	002381-21-7 87
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 87
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 81



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
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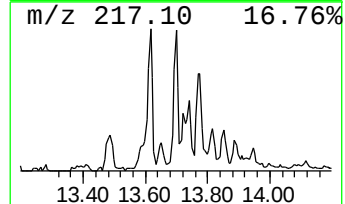
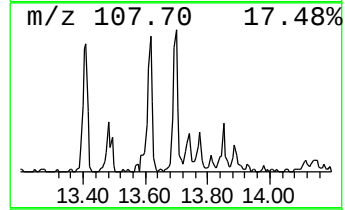
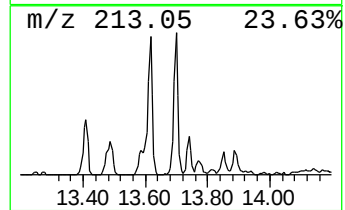
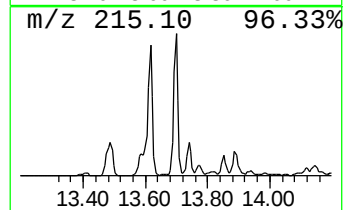
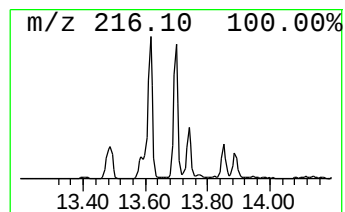
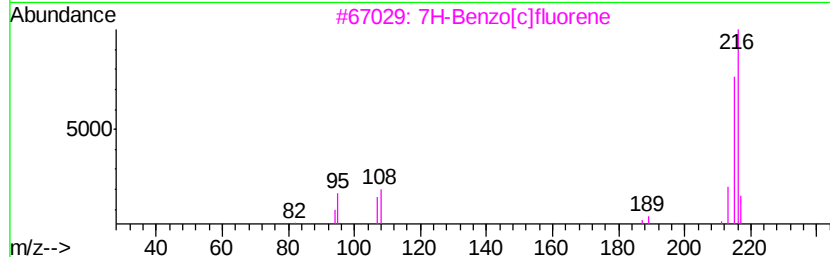
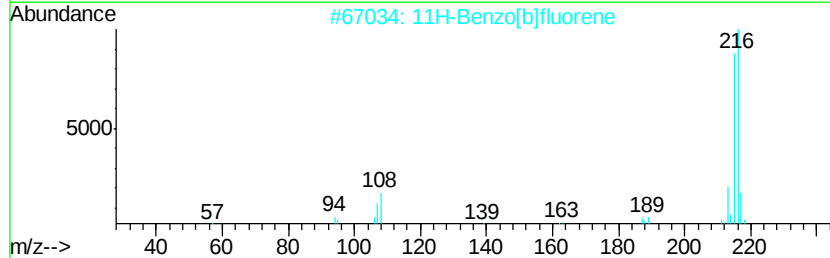
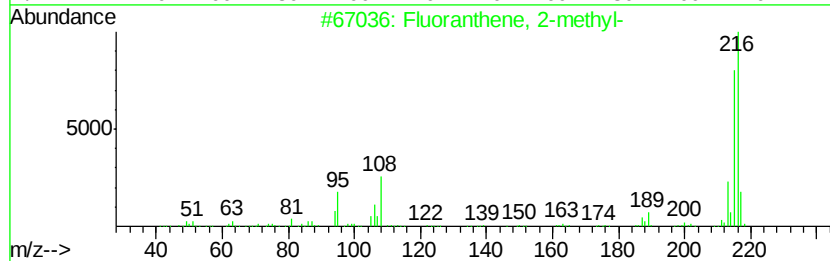
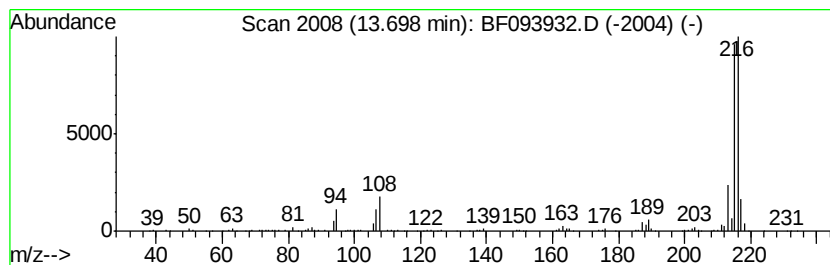
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.70	3.16 ng	434763	Chrysene-d12	14.69	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093932.D
Acq On : 25 Mar 2017 3:03
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Sample : I2379-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-3

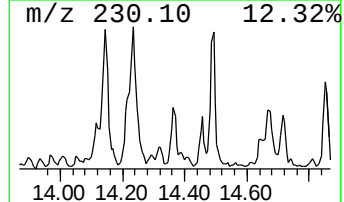
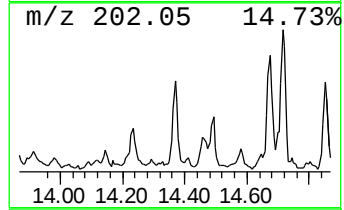
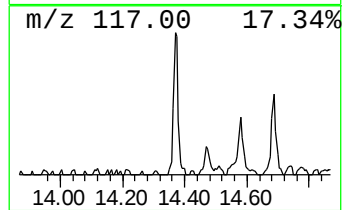
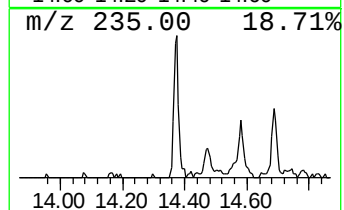
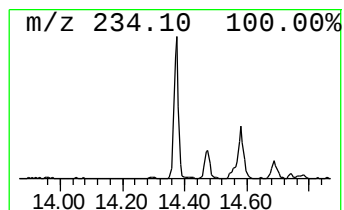
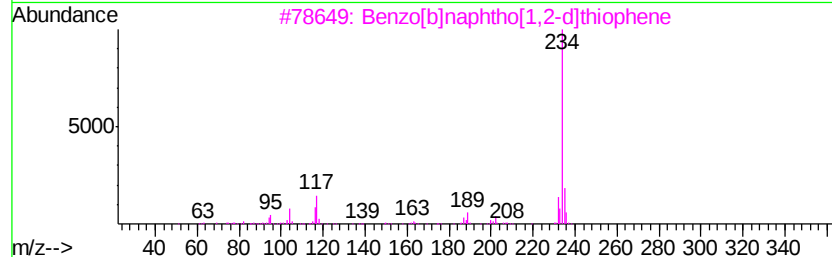
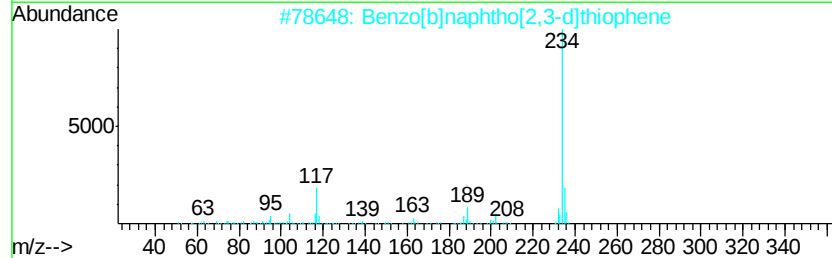
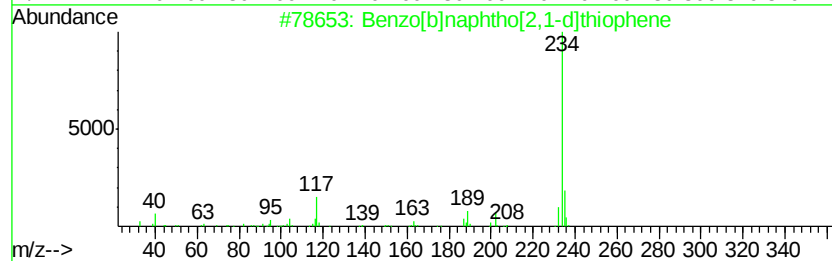
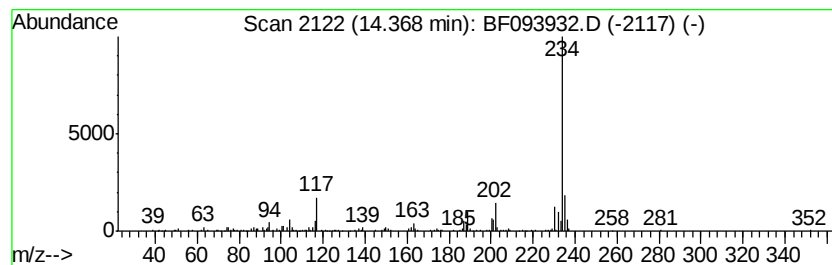
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	2.10 ng	289019	Chrysene-d12	14.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4		Anthra[1,9a,9-cd;5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	50
5		2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	49



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
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Acq On : 25 Mar 2017 3:03
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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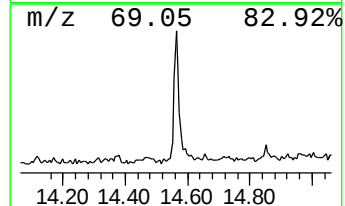
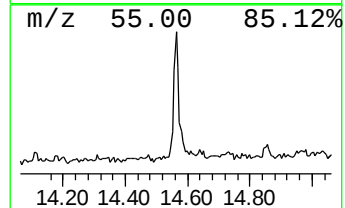
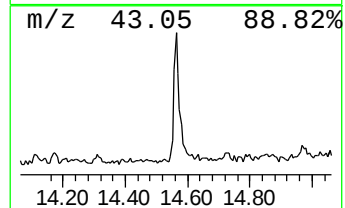
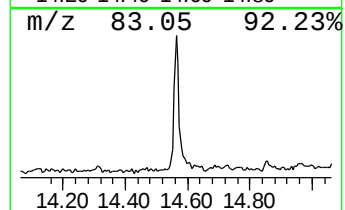
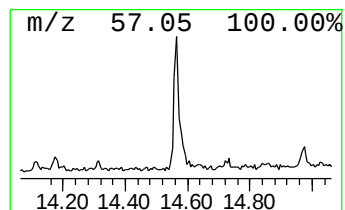
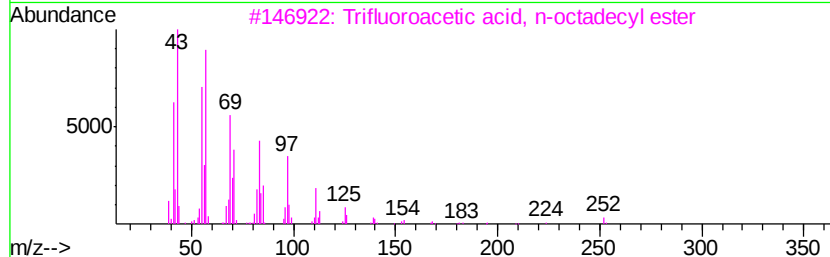
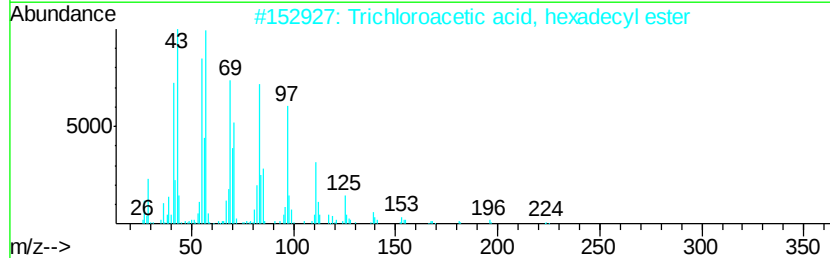
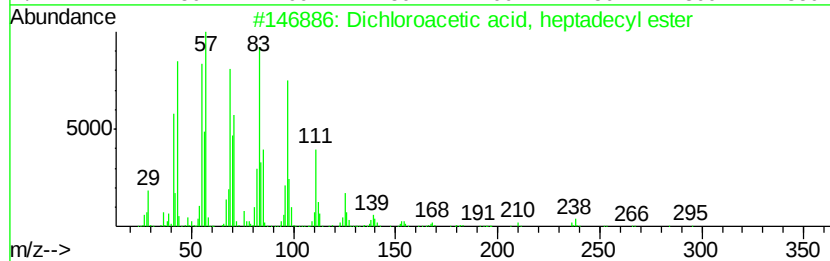
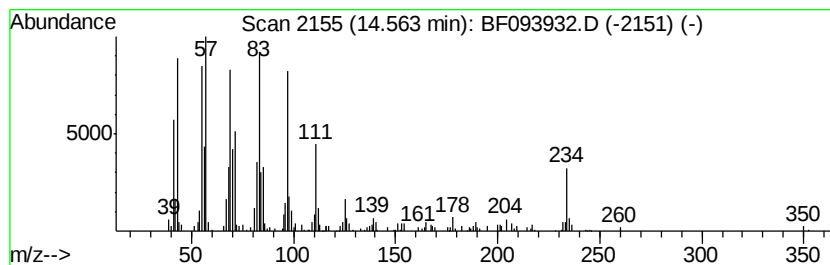
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Dichloroacetic acid, heptadec... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.53 ng	347489	Chrysene-d12	14.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
2		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3		Trifluoroacetic acid, n-octadecyl ...	366	C20H37F3O2	079392-43-1	91
4		3-Eicosene, (E)-	280	C20H40	074685-33-9	91
5		3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	91



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093932.D
Acq On : 25 Mar 2017 3:03
Operator : SJ/MA
Sample : I2379-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

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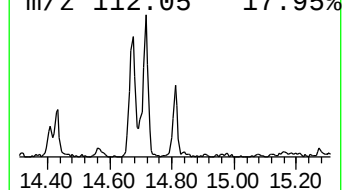
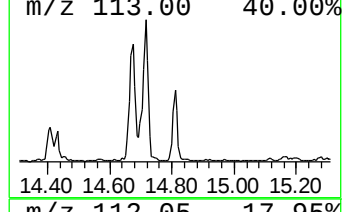
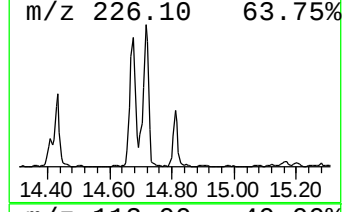
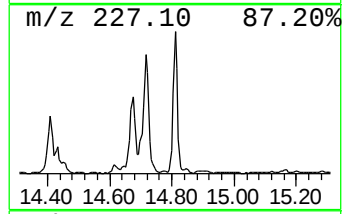
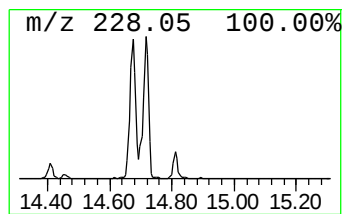
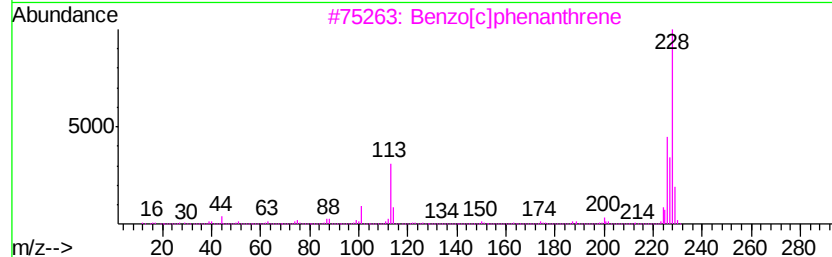
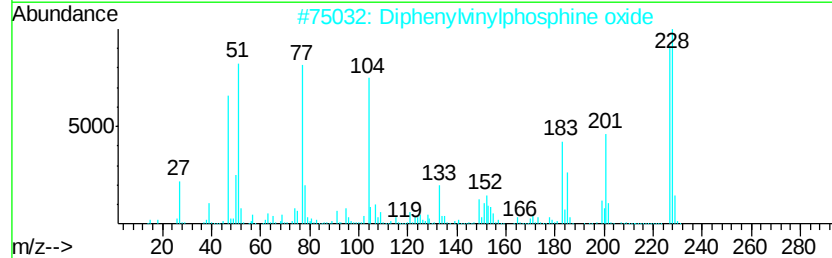
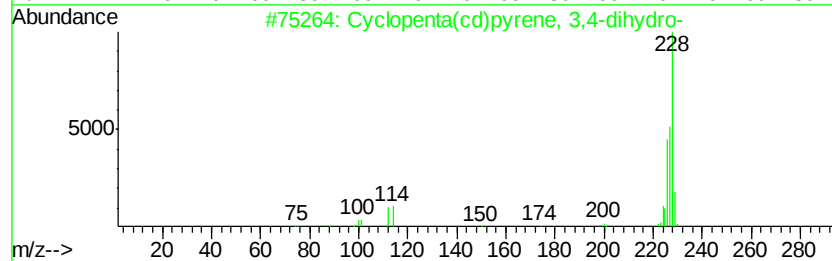
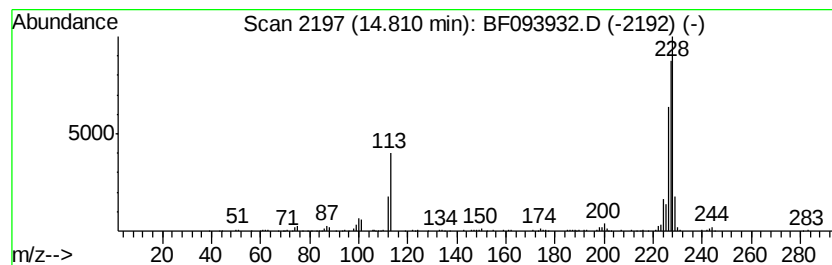
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	2.53 ng	347781	Chrysene-d12	14.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
2		Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4		Triphenylene	228	C18H12	000217-59-4	38
5		1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	38



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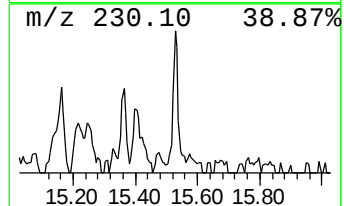
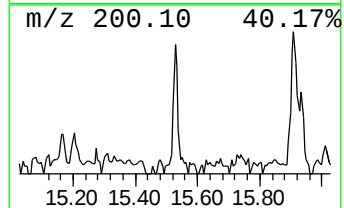
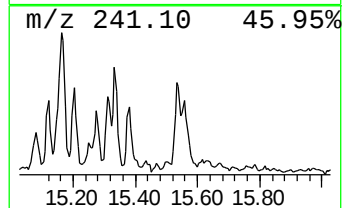
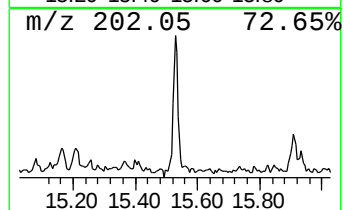
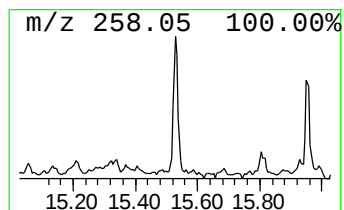
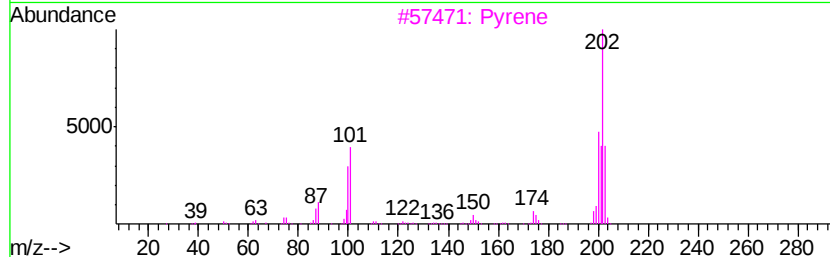
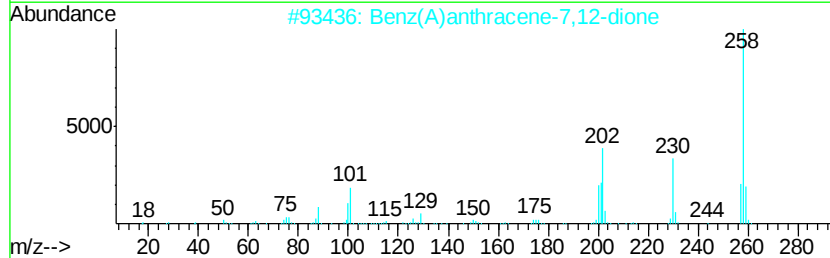
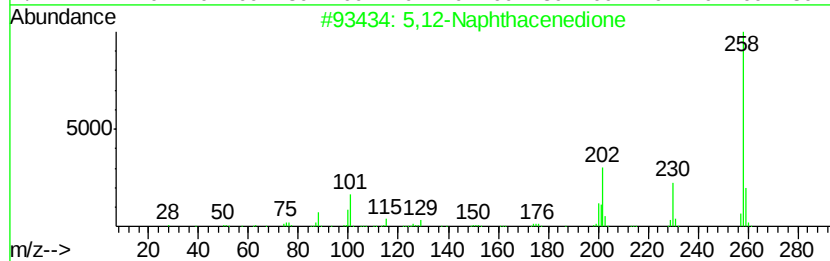
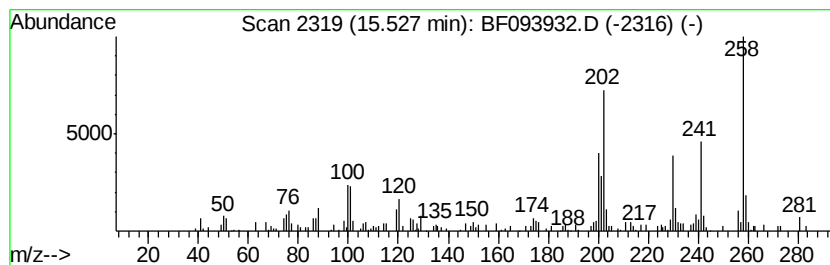
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 5,12-Naphthacenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.92 ng	114760	Perylene-d12	16.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
3		Pvrene	202	C16H10	000129-00-0	44
4		Benzo[1,2-b:4,3-b']bisbenzofuran	258	C18H10O2	000192-93-8	43
5		Yanگونin	258	C15H14O4	000500-62-9	27



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
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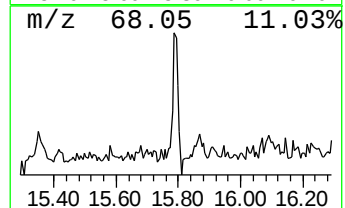
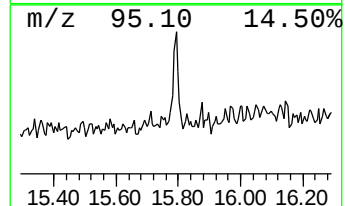
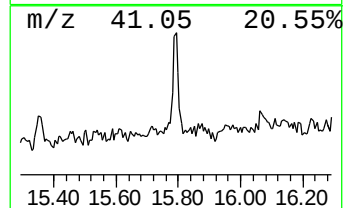
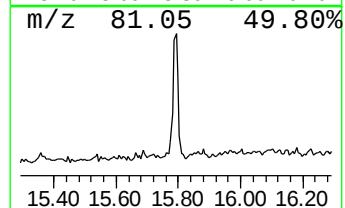
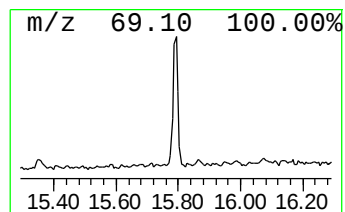
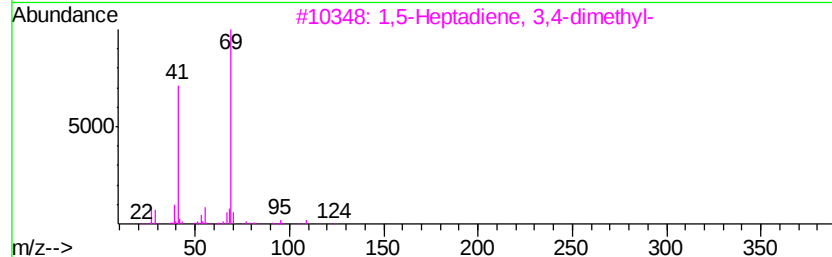
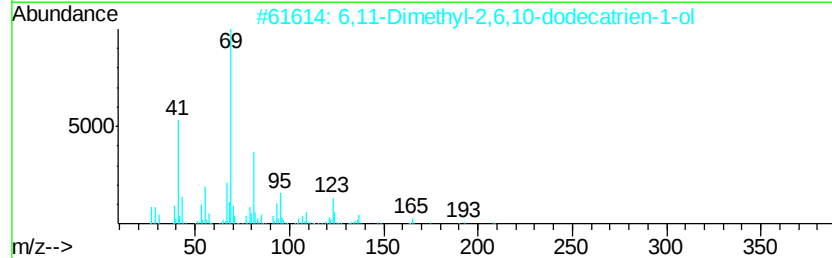
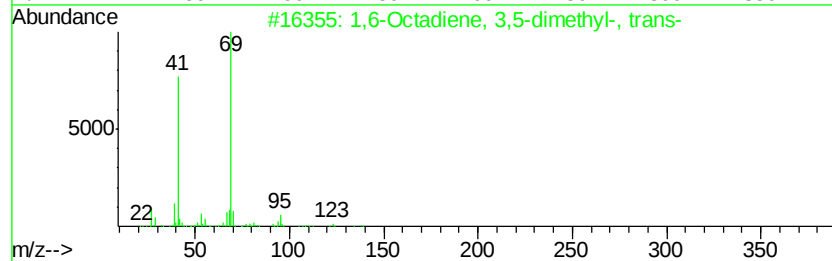
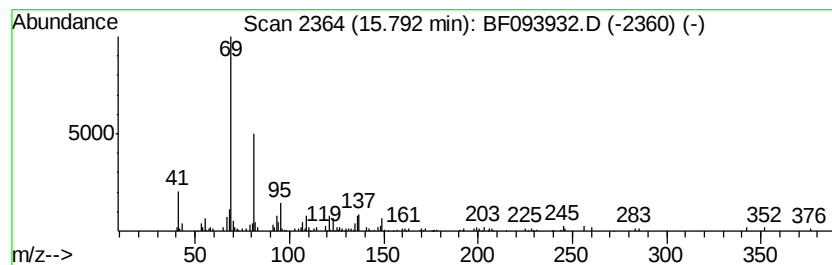
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 1,6-Octadiene, 3,5-dimethyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.71 ng	106642	Perylene-d12	16.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	59
2			6,11-Dimethyl-2,6,10-dodecatrien...	208	C14H24O	1000196-53-3	59
3			1,5-Heptadiene, 3,4-dimethyl-	124	C9H16	1000061-77-9	53
4			2-Butenoic acid, 3-methyl-2-meth...	166	C10H14O2	076003-38-8	52
5			Neryl nitrile	149	C10H15N	1000108-90-5	50



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Sample : I2379-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

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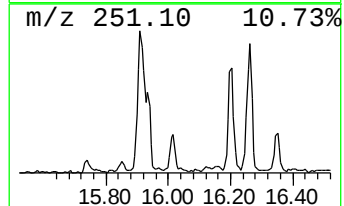
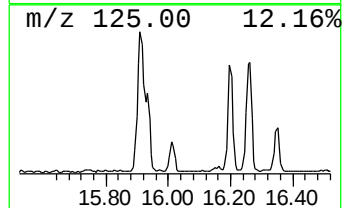
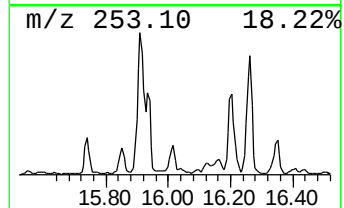
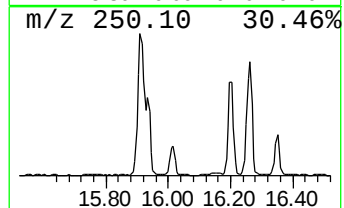
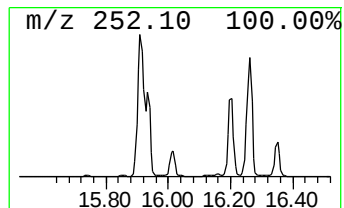
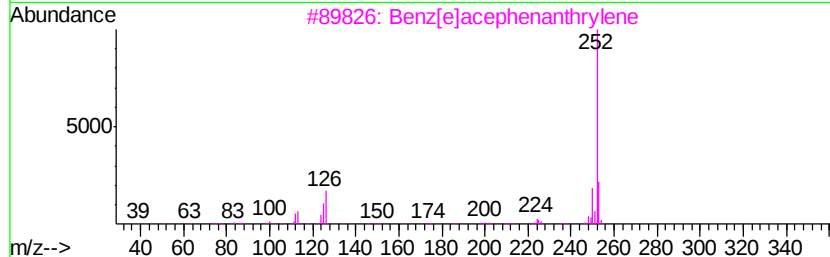
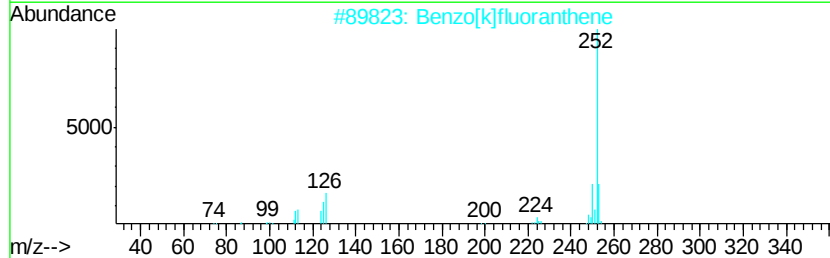
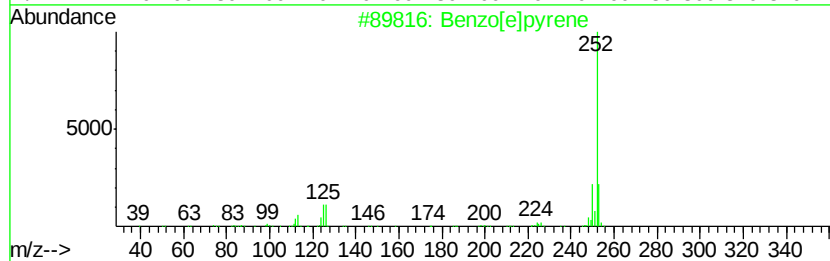
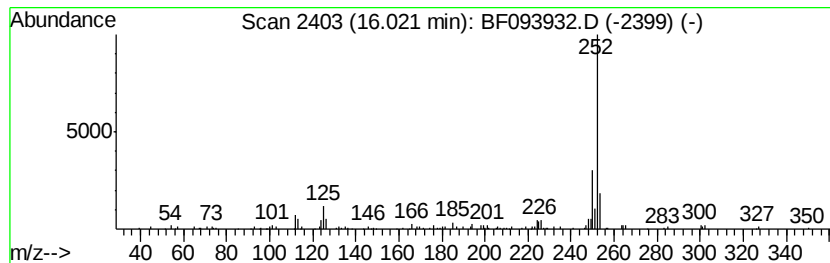
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	4.51 ng	177228	Perylene-d12	16.32

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[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Perylene	252	C20H12	000198-55-0	91



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
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Sample : I2379-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

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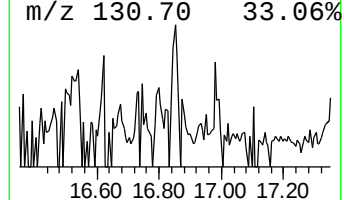
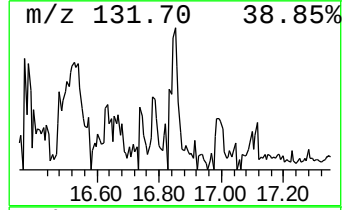
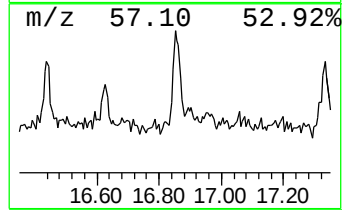
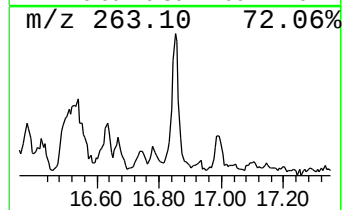
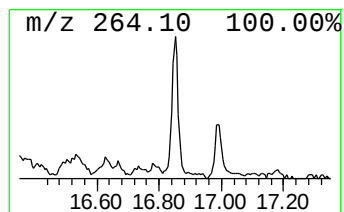
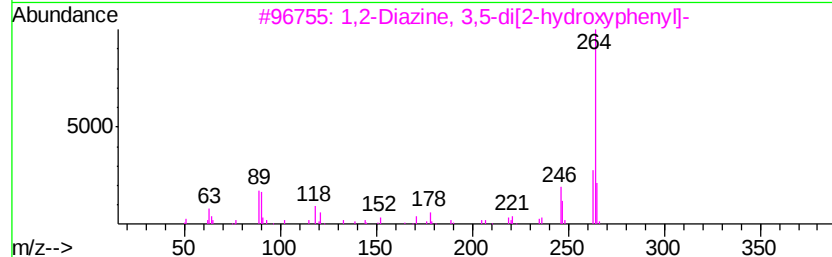
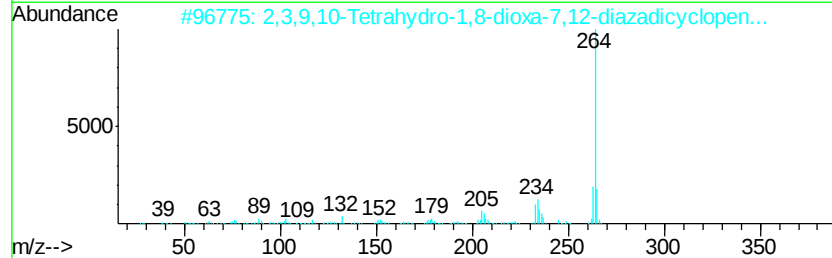
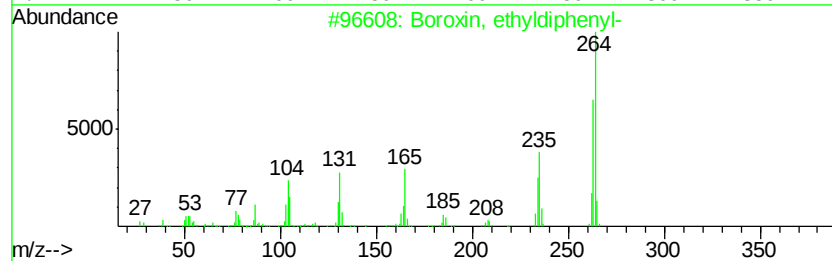
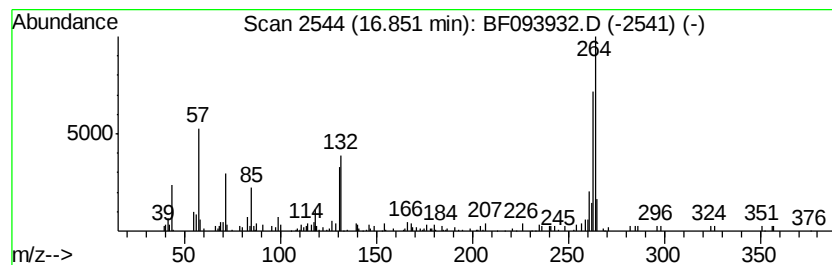
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown16.85 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	2.07 ng	81584	Perylene-d12	16.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	47
2		2,3,9,10-Tetrahydro-1,8-dioxo-7,...	264	C16H12N2O2	1000243-33-3	37
3		1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	35
4		3,3'-Dimethyl-4,4'-biphenylene d...	264	C16H12N2O2	000091-97-4	32
5		2,5-Bis(4-hydroxyphenyl)pyrimidine	264	C16H12N2O2	159488-83-2	27



Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
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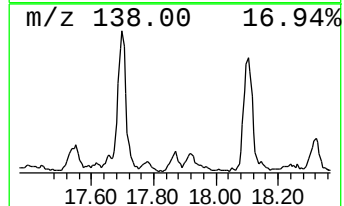
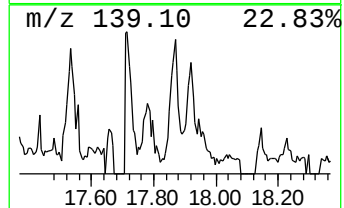
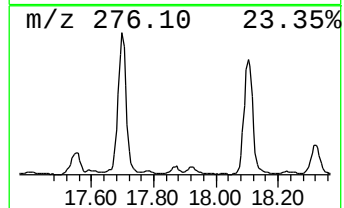
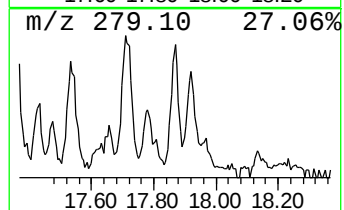
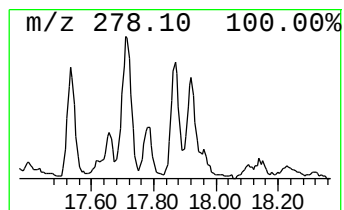
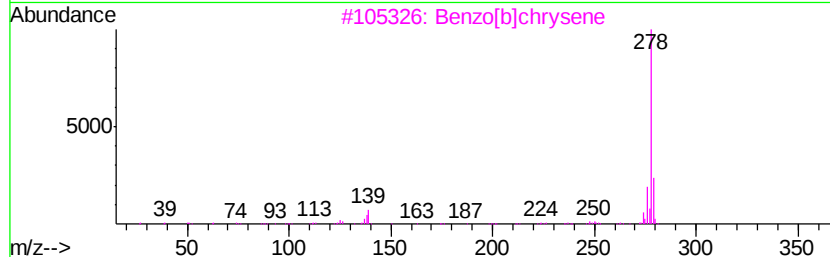
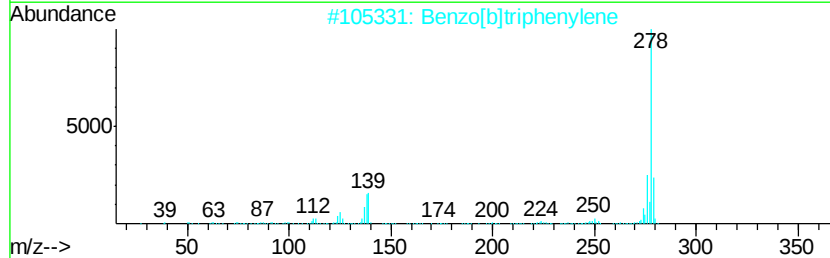
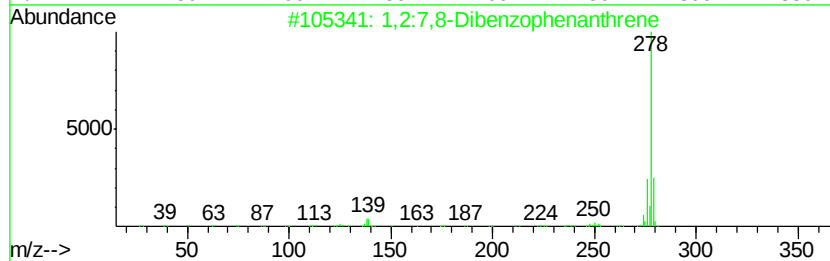
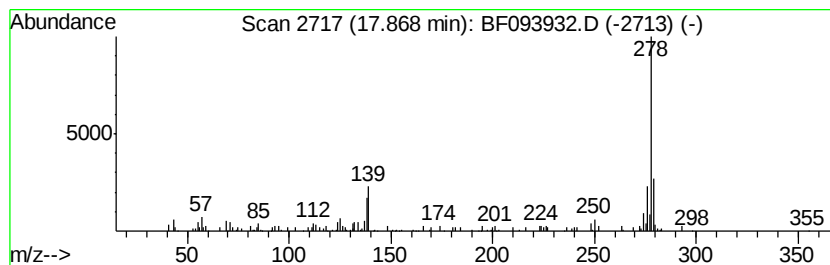
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1,2:7,8-Dibenzophenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.81 ng	110552	Perylene-d12	16.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	90
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3		Benzo[b]chrysene	278	C22H14	000214-17-5	89
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	87
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	81



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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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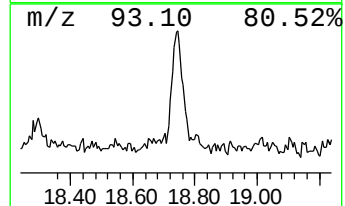
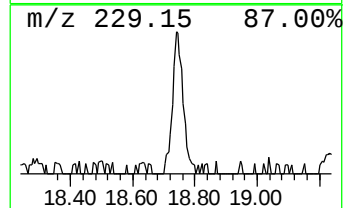
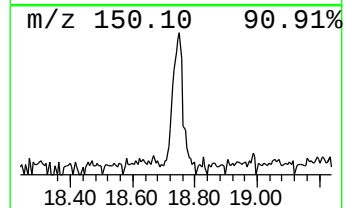
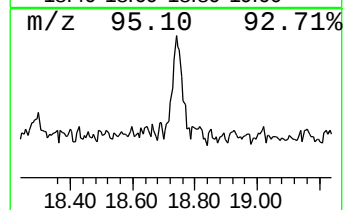
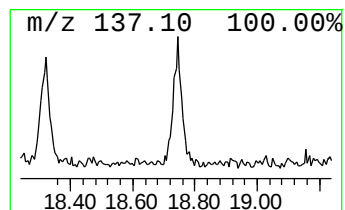
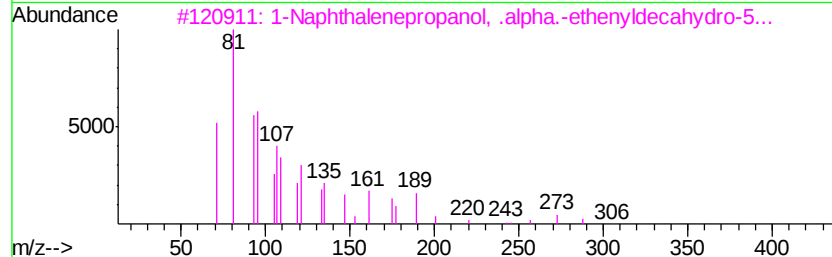
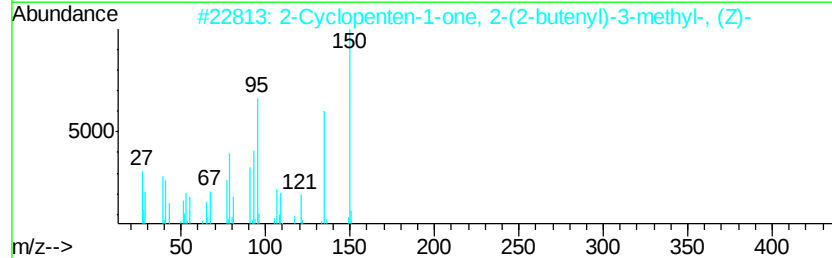
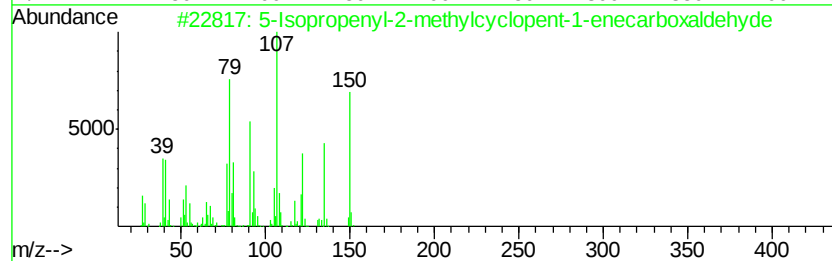
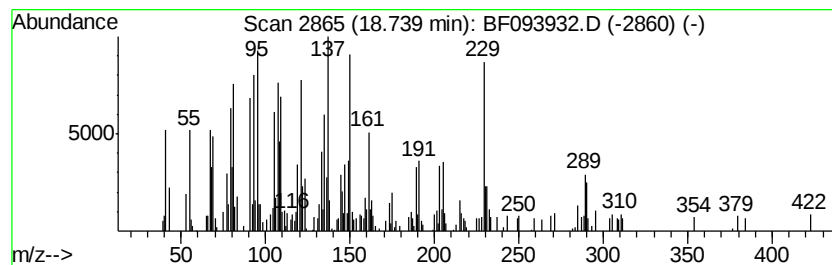
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown18.74 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	8.21 ng	322991	Perylene-d12	16.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Isopropenyl-2-methylcyclopent-...	150	C10H14O	1000190-36-8	42
2		2-Cyclopenten-1-one, 2-(2-buteny...	150	C10H14O	017190-71-5	38
3		1-Naphthalenepropanol, .alpha.-e...	306	C20H34O2	004549-12-6	38
4		9-Borabicyclo[3.3.1]nonane, 9-et...	150	C10H19B	052102-17-7	35
5		2,4-Cycloheptadien-1-one, 2,6,6-...	150	C10H14O	000503-93-5	30



Data Path : Z:\HPCHEM1\BNA_F\Data\BF032417\
 Data File : BF093932.D
 Acq On : 25 Mar 2017 3:03
 Operator : SJ/MA
 Sample : I2379-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.12	12.0	ng	595728	1	5.96	993840	20.0
unknown5.71	5.71	95.6	ng	4751400	1	5.96	993840	20.0
Eicosane	10.78	2.1	ng	113203	4	11.43	1064840	20.0
Phenanthrene, 2-m...	12.06	3.2	ng	172640	4	11.43	1064840	20.0
4H-Cyclopenta[def...	12.19	7.7	ng	408992	4	11.43	1064840	20.0
2-Phenylnaphthalene	12.42	3.9	ng	208511	4	11.43	1064840	20.0
11H-Benzo[a]fluorene	13.62	3.2	ng	437429	5	14.69	2749700	20.0
Fluoranthene, 2-m...	13.70	3.2	ng	434763	5	14.69	2749700	20.0
Benzo[b]naphtho[2...	14.37	2.1	ng	289019	5	14.69	2749700	20.0
Dichloroacetic ac...	14.56	2.5	ng	347489	5	14.69	2749700	20.0
Cyclopenta(cd)pyr...	14.81	2.5	ng	347781	5	14.69	2749700	20.0
5,12-Naphthacened...	15.53	2.9	ng	114760	6	16.32	786787	20.0
1,6-Octadiene, 3,...	15.79	2.7	ng	106642	6	16.32	786787	20.0
Benzo[e]pyrene	16.02	4.5	ng	177228	6	16.32	786787	20.0
unknown16.85	16.85	2.1	ng	81584	6	16.32	786787	20.0
1,2:7,8-Dibenzoph...	17.87	2.8	ng	110552	6	16.32	786787	20.0
unknown18.74	18.74	8.2	ng	322991	6	16.32	786787	20.0