

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101033.D
 Acq On : 30 Nov 2017 22:25
 Operator : SJ/JU
 Sample : I6300-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

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	5.063	504	506	512	rBB	11304	11688	1.79%	0.138%
2	5.463	571	574	583	rBV	215351	211579	32.35%	2.499%
3	6.481	743	747	754	rBV	215459	216046	33.03%	2.551%
4	6.622	767	771	774	rBV	285996	226855	34.69%	2.679%
5	6.851	807	810	814	rBV	343386	283948	43.41%	3.353%
6	7.010	833	837	840	rBV	208684	177140	27.08%	2.092%
7	7.410	902	905	909	rBV	130931	120271	18.39%	1.420%
8	8.133	1025	1028	1031	rBV	391789	341233	52.17%	4.030%
9	8.157	1031	1032	1035	rVB	36301	17532	2.68%	0.207%
10	8.845	1147	1149	1154	rVB	21734	19639	3.00%	0.232%
11	8.945	1164	1166	1171	rVB	25657	20497	3.13%	0.242%
12	9.204	1207	1210	1220	rBV	244455	218804	33.45%	2.584%
13	9.469	1253	1255	1260	rBV2	8962	10564	1.62%	0.125%
14	9.545	1265	1268	1271	rVV	18693	17137	2.62%	0.202%
15	9.604	1275	1278	1285	rVB3	10454	15176	2.32%	0.179%
16	9.751	1300	1303	1307	rBV	34571	28020	4.28%	0.331%
17	9.810	1307	1313	1317	rVB2	7981	10810	1.65%	0.128%
18	9.892	1323	1327	1330	rBV	346368	279823	42.78%	3.304%
19	9.922	1330	1332	1336	rVB	56644	42952	6.57%	0.507%
20	10.092	1358	1361	1364	rVV2	24876	21294	3.26%	0.251%
21	10.133	1364	1368	1371	rVB	8259	9010	1.38%	0.106%
22	10.204	1377	1380	1384	rBV	7109	8563	1.31%	0.101%
23	10.439	1417	1420	1427	rVB	56913	48500	7.42%	0.573%
24	10.680	1458	1461	1465	rVB	111588	96817	14.80%	1.143%
25	10.798	1475	1481	1488	rVB5	9734	16634	2.54%	0.196%
26	10.986	1507	1513	1515	rBV4	12133	14193	2.17%	0.168%
27	11.016	1515	1518	1521	rVB2	9524	8291	1.27%	0.098%
28	11.186	1545	1547	1550	rVB2	14109	10671	1.63%	0.126%
29	11.233	1550	1555	1558	rVV3	7091	9684	1.48%	0.114%
30	11.274	1558	1562	1566	rVB	18360	20856	3.19%	0.246%
31	11.380	1576	1580	1582	rBV	319387	274223	41.93%	3.238%
32	11.404	1582	1584	1587	rVV	409358	309116	47.26%	3.650%
33	11.457	1587	1593	1596	rVV	93785	81785	12.50%	0.966%
34	11.492	1596	1599	1601	rVB	9151	8899	1.36%	0.105%

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35	11.610	1615	1619	1625	rBV2	28225	31111	4.76%	0.367%
36	11.710	1632	1636	1639	rVV2	13249	12153	1.86%	0.144%
37	11.792	1644	1650	1653	rBV3	8805	10472	1.60%	0.124%
38	11.880	1660	1665	1667	rBV	55723	50422	7.71%	0.595%
39	11.910	1667	1670	1673	rVB	77375	63777	9.75%	0.753%
40	11.957	1673	1678	1681	rBV	34773	35901	5.49%	0.424%
41	11.992	1681	1684	1687	rVV2	105413	119090	18.21%	1.406%
42	12.015	1687	1688	1693	rVB	45522	29377	4.49%	0.347%
43	12.174	1712	1715	1718	rBV	39074	33886	5.18%	0.400%
44	12.204	1718	1720	1724	rVB2	40631	34451	5.27%	0.407%
45	12.304	1735	1737	1739	rBV3	7848	8198	1.25%	0.097%
46	12.321	1739	1740	1743	rVV	15318	10905	1.67%	0.129%
47	12.357	1743	1746	1748	rVB	16918	14302	2.19%	0.169%
48	12.380	1748	1750	1753	rVB	13457	9991	1.53%	0.118%
49	12.433	1755	1759	1761	rBV	46468	51851	7.93%	0.612%
50	12.468	1761	1765	1767	rVV4	26738	29839	4.56%	0.352%
51	12.486	1767	1768	1771	rVB2	14351	10145	1.55%	0.120%
52	12.521	1771	1774	1777	rBV2	28310	35897	5.49%	0.424%
53	12.598	1783	1787	1790	rBV	611607	525484	80.35%	6.206%
54	12.633	1790	1793	1795	rVV2	10113	9137	1.40%	0.108%
55	12.657	1795	1797	1800	rVB	18550	14580	2.23%	0.172%
56	12.692	1800	1803	1805	rBV	16994	16214	2.48%	0.191%
57	12.745	1805	1812	1815	rBV2	25047	42910	6.56%	0.507%
58	12.768	1815	1816	1819	rVB3	11059	8642	1.32%	0.102%
59	12.827	1819	1826	1831	rBV	565336	601814	92.02%	7.107%
60	12.874	1831	1834	1838	rVV2	37026	54583	8.35%	0.645%
61	12.962	1842	1849	1851	rVV2	247384	268603	41.07%	3.172%
62	12.980	1851	1852	1856	rVB2	42249	35251	5.39%	0.416%
63	13.039	1858	1862	1866	rBV3	35858	54655	8.36%	0.645%
64	13.127	1874	1877	1878	rBV3	41204	42365	6.48%	0.500%
65	13.151	1878	1881	1884	rVB	96127	91794	14.04%	1.084%
66	13.215	1889	1892	1895	rVB	69599	64120	9.80%	0.757%
67	13.257	1895	1899	1902	rBV2	71021	76517	11.70%	0.904%
68	13.315	1907	1909	1912	rVV4	11142	11782	1.80%	0.139%
69	13.351	1912	1915	1917	rVB	48886	39883	6.10%	0.471%
70	13.380	1917	1920	1923	rBV	51646	46111	7.05%	0.545%
71	13.462	1932	1934	1937	rVB2	14543	15338	2.35%	0.181%

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72	13.557	1942	1950	1951	rBV8	22432	44300	6.77%	0.523%
73	13.574	1951	1953	1956	rVB	17660	15484	2.37%	0.183%
74	13.633	1960	1963	1965	rBV4	17575	21001	3.21%	0.248%
75	13.662	1965	1968	1972	rVB	42473	47744	7.30%	0.564%
76	13.774	1982	1987	1989	rBV2	53115	65636	10.04%	0.775%
77	13.798	1989	1991	1993	rVV	49757	36963	5.65%	0.437%
78	13.827	1993	1996	2001	rVV3	36524	63652	9.73%	0.752%
79	13.868	2001	2003	2007	rVB	43729	39690	6.07%	0.469%
80	13.939	2013	2015	2021	rVB2	14996	22866	3.50%	0.270%
81	13.992	2021	2024	2025	rBV	29766	27666	4.23%	0.327%
82	14.021	2025	2029	2032	rVV2	481703	654033	100.00%	7.724%
83	14.051	2032	2034	2037	rVB	268574	198891	30.41%	2.349%
84	14.104	2041	2043	2045	rBV3	13388	14429	2.21%	0.170%
85	14.127	2045	2047	2050	rBV2	42951	36120	5.52%	0.427%
86	14.168	2052	2054	2057	rBV	29149	36484	5.58%	0.431%
87	14.280	2071	2073	2076	rVB4	21775	18608	2.85%	0.220%
88	14.374	2086	2089	2090	rBV2	21972	16451	2.52%	0.194%
89	14.409	2090	2095	2098	rVV	67799	75026	11.47%	0.886%
90	14.445	2098	2101	2104	rVV	36390	36247	5.54%	0.428%
91	14.533	2114	2116	2118	rBV	40759	39245	6.00%	0.463%
92	14.556	2118	2120	2123	rVB2	45045	40798	6.24%	0.482%
93	15.068	2203	2207	2214	rVB	170217	313676	47.96%	3.704%
94	15.174	2223	2225	2229	rVB	30269	30337	4.64%	0.358%
95	15.374	2255	2259	2265	rVB	94346	125989	19.26%	1.488%
96	15.433	2265	2269	2275	rBV	137322	179111	27.39%	2.115%
97	15.498	2276	2280	2284	rBV	203197	253565	38.77%	2.994%
98	16.980	2527	2532	2539	rVB2	50042	100225	15.32%	1.184%
99	17.427	2604	2608	2615	rVB	37343	80211	12.26%	0.947%
100	18.339	2759	2763	2764	rBV4	9368	13747	2.10%	0.162%

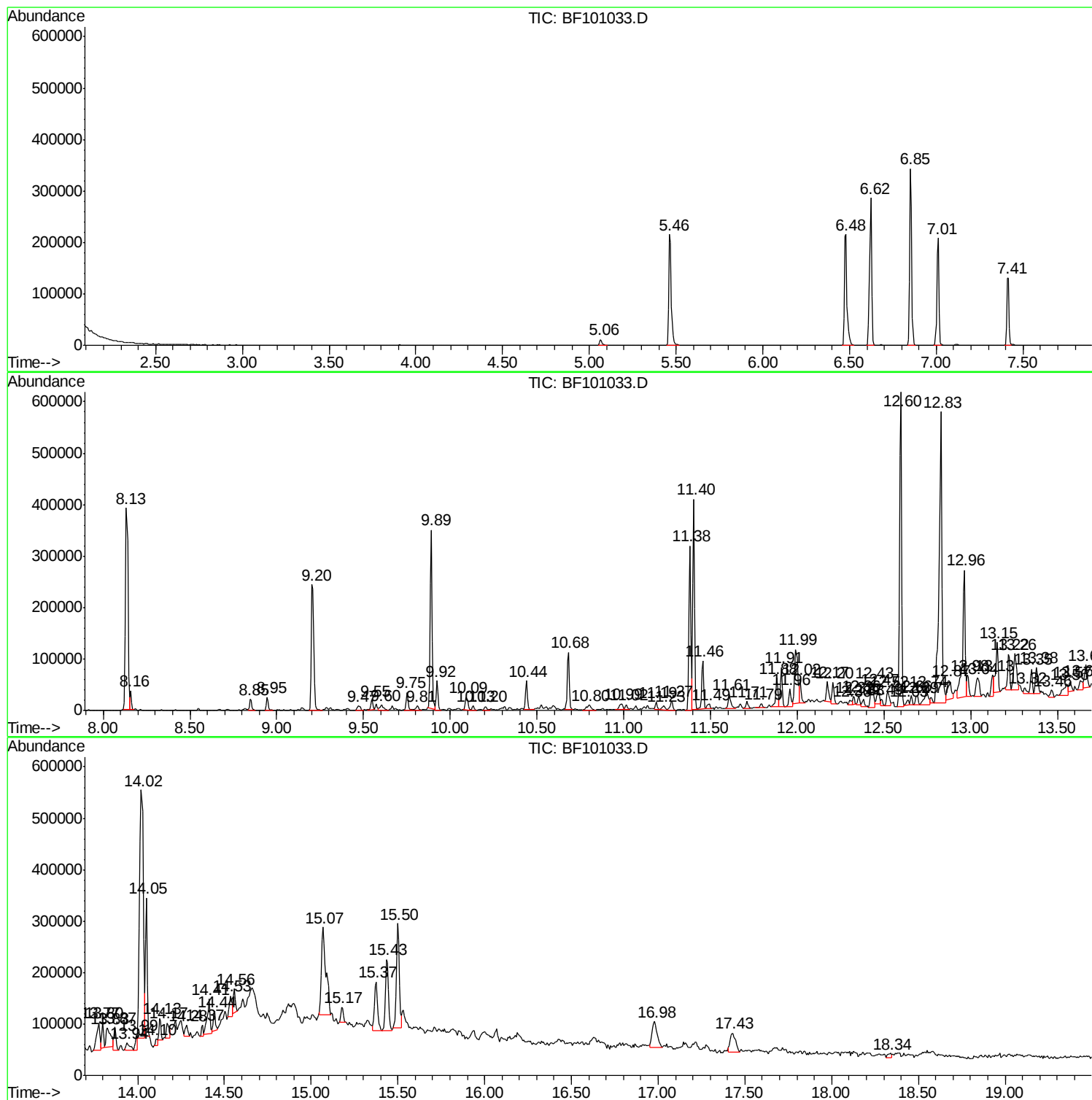
Sum of corrected areas: 8467996

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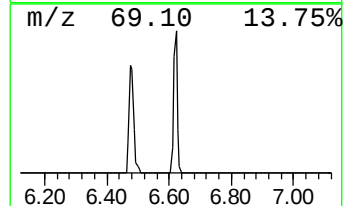
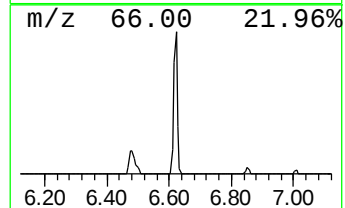
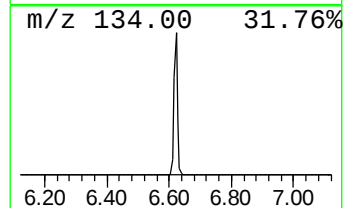
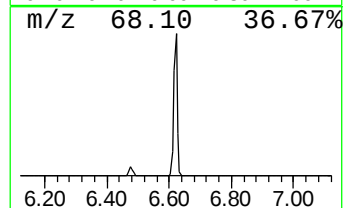
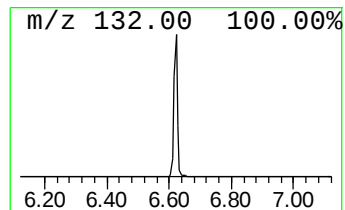
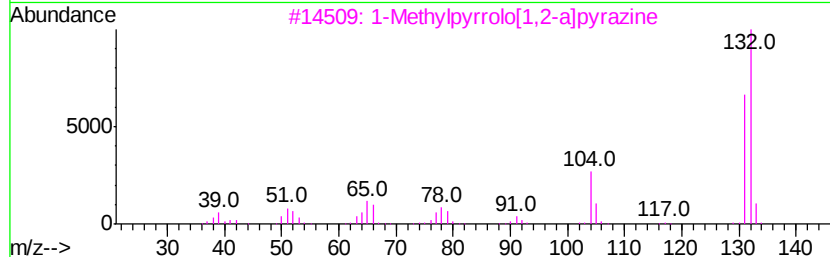
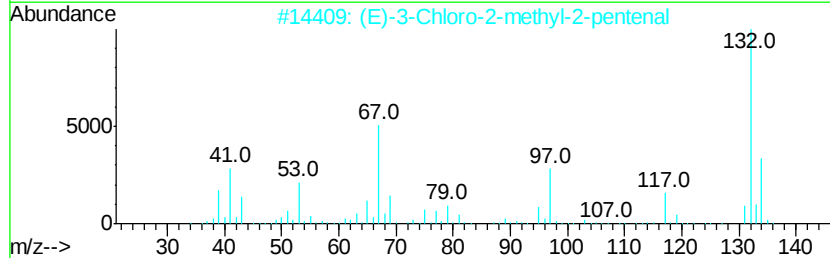
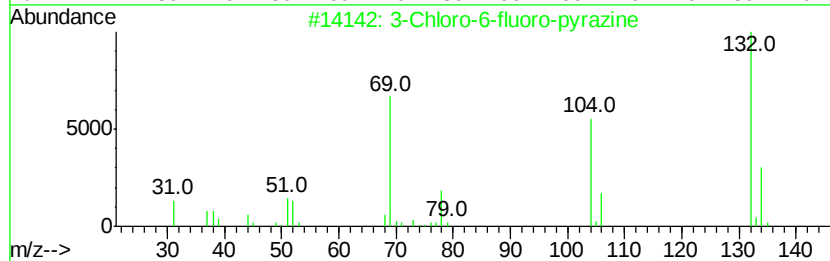
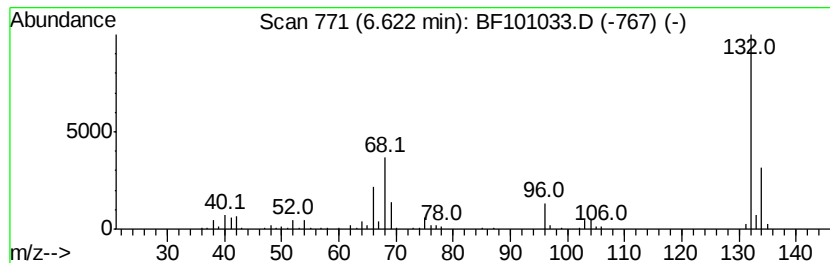
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	15.98 ng	226855	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4			4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5			2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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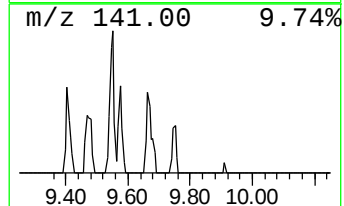
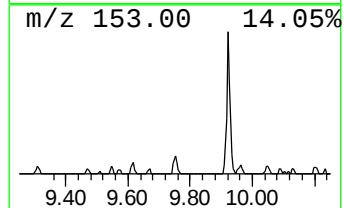
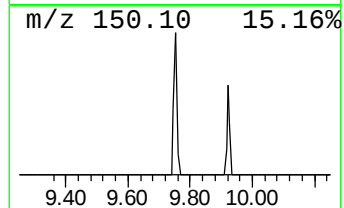
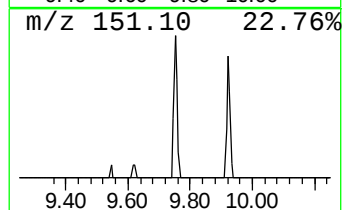
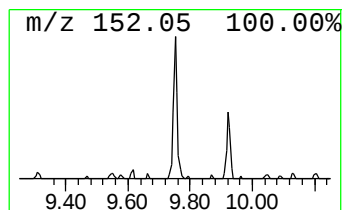
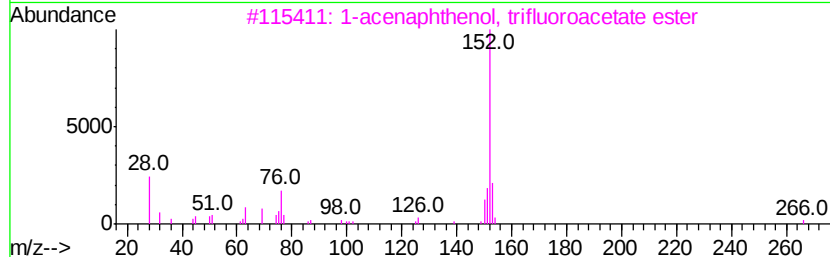
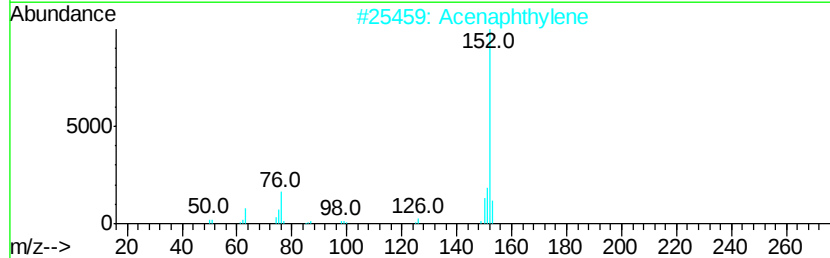
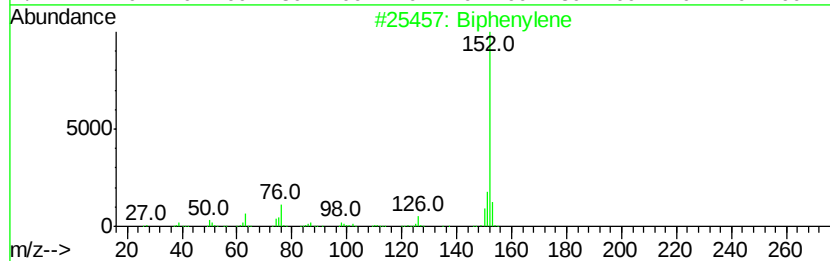
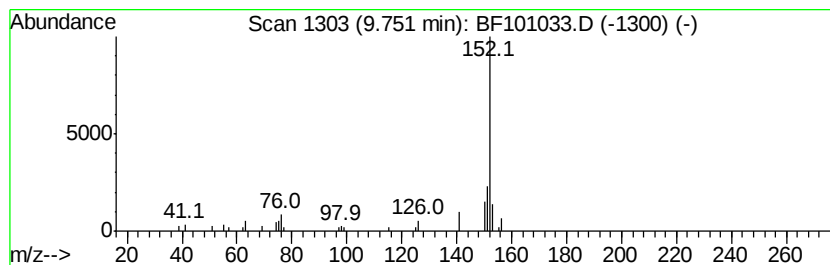
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Biphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	2.00 ng	28020	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Biphenylene	152	C12H8	000259-79-0	87
2		Acenaphthylene	152	C12H8	000208-96-8	64
3		1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	59
4		Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	45
5		5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	42



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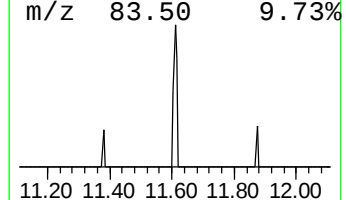
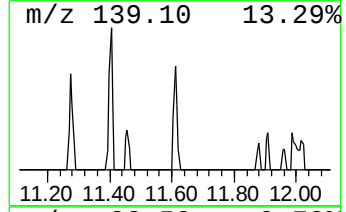
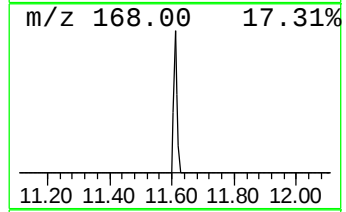
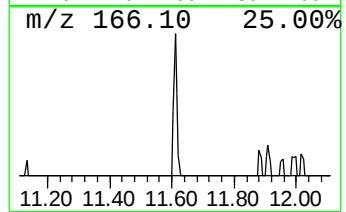
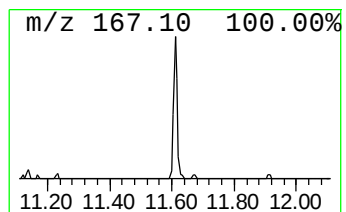
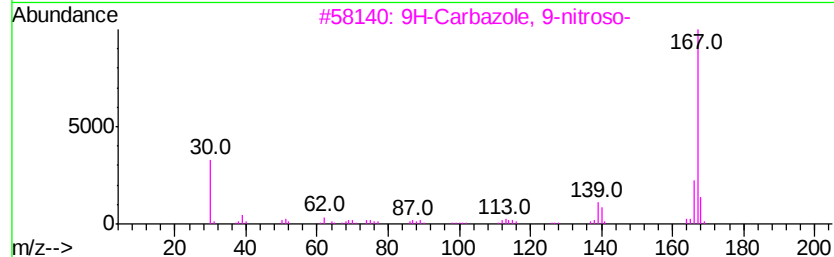
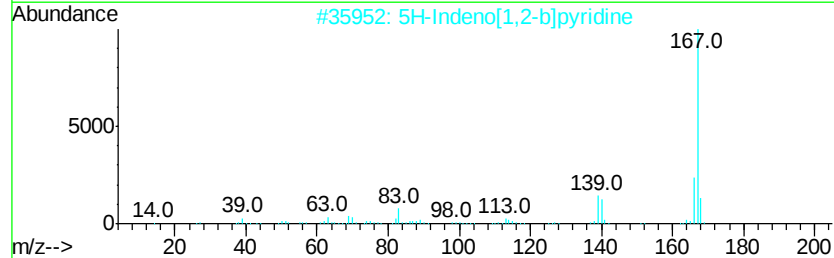
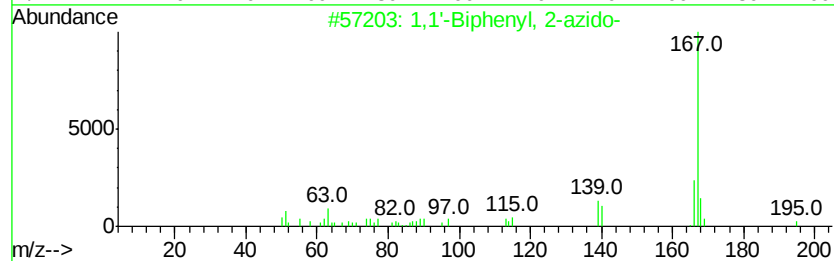
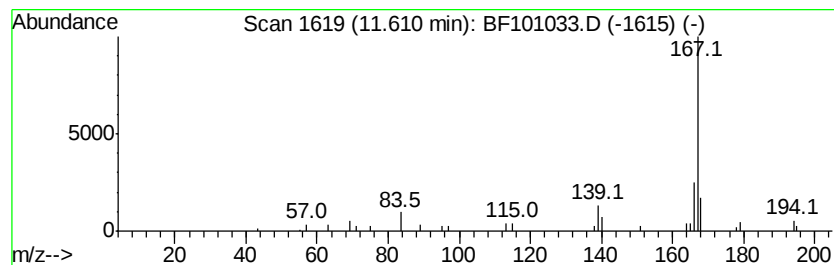
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Peak Number 4 1,1'-Biphenyl, 2-azido- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	2.27 ng	31111	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	80
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	78
4	Carbazole	167	C12H9N	000086-74-8	72
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
Data File : BF101033.D
Acq On : 30 Nov 2017 22:25
Operator : SJ/JU
Sample : I6300-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

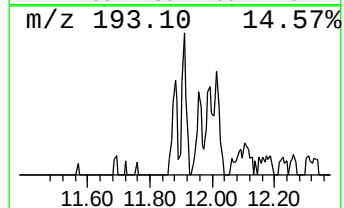
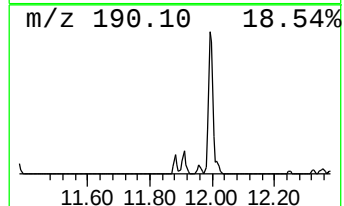
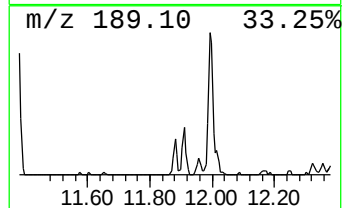
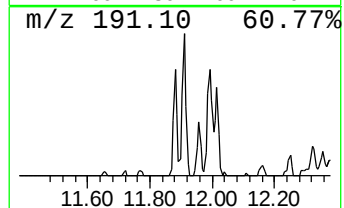
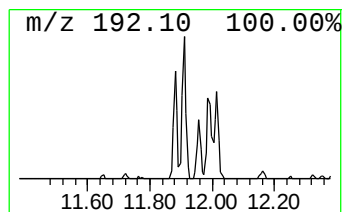
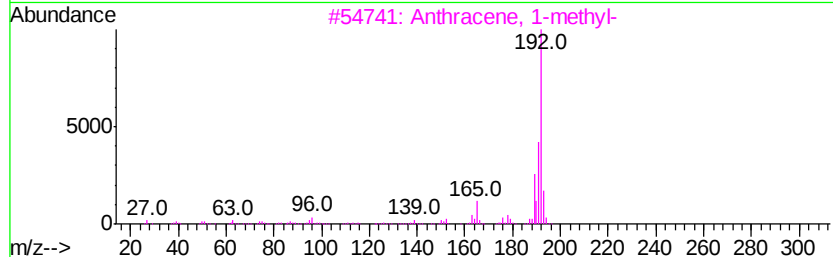
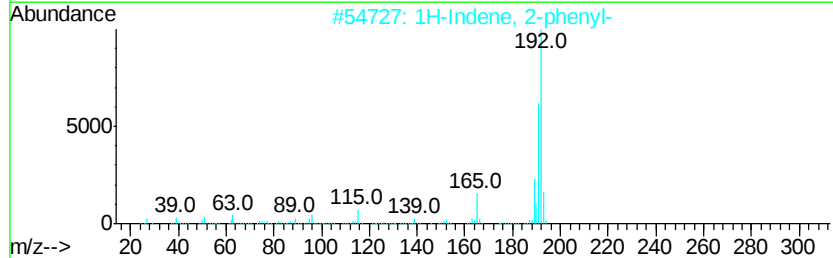
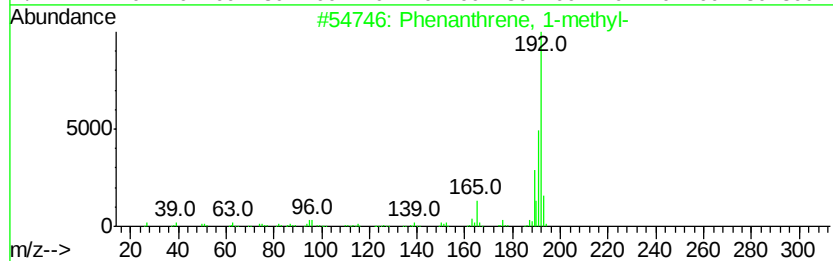
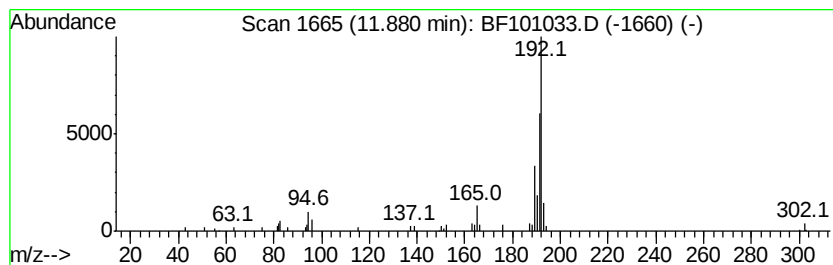
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	3.68 ng	50422	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
Data File : BF101033.D
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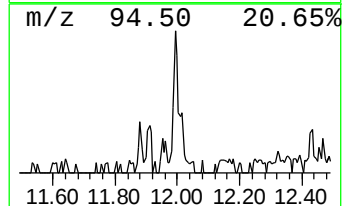
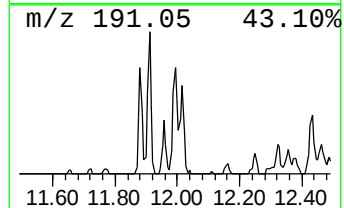
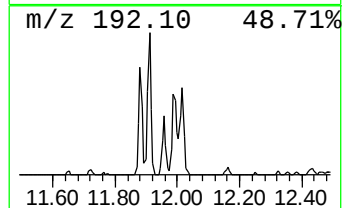
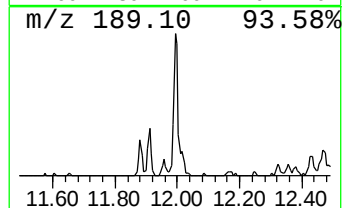
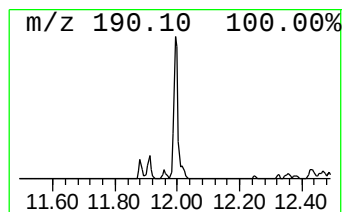
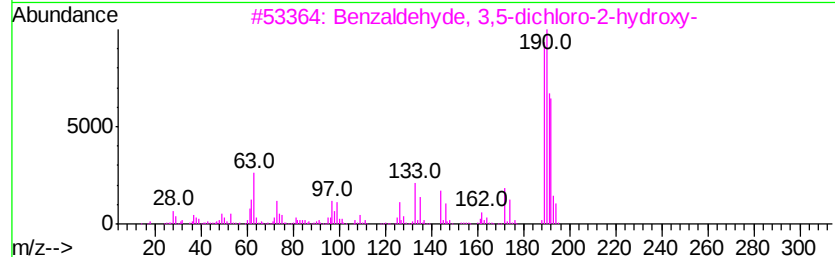
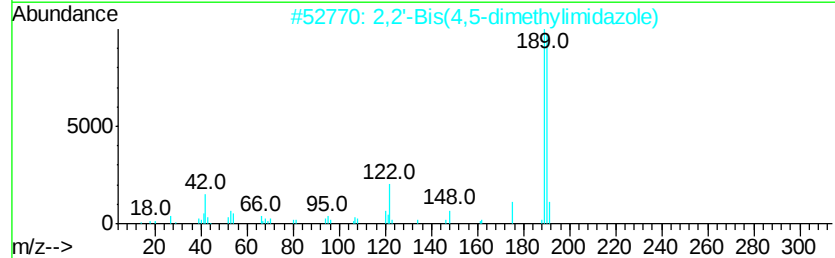
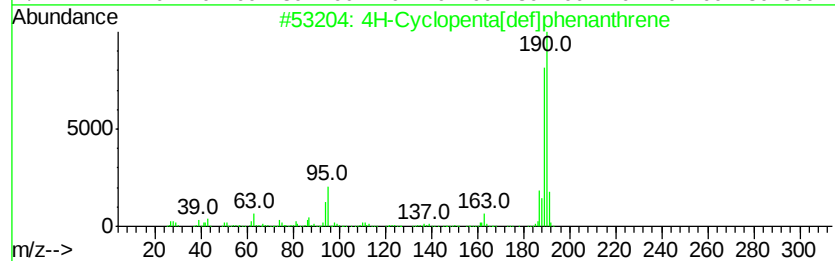
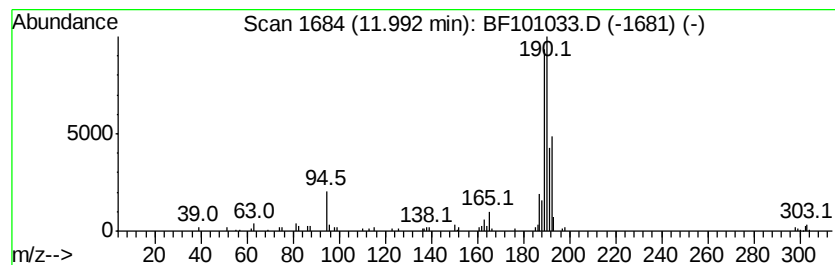
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.99	8.69 ng	119090	Phenanthrene-d10	11.38	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
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Acq On : 30 Nov 2017 22:25
Operator : SJ/JU
Sample : I6300-07 5X
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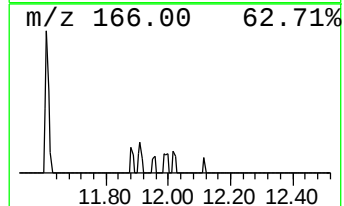
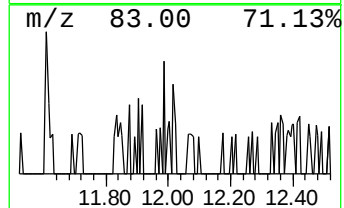
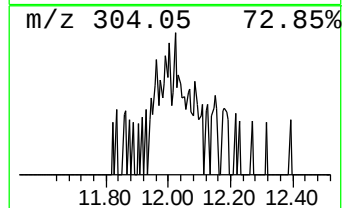
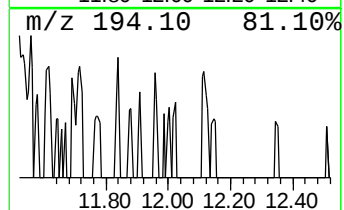
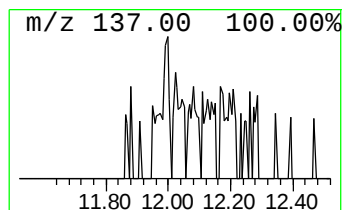
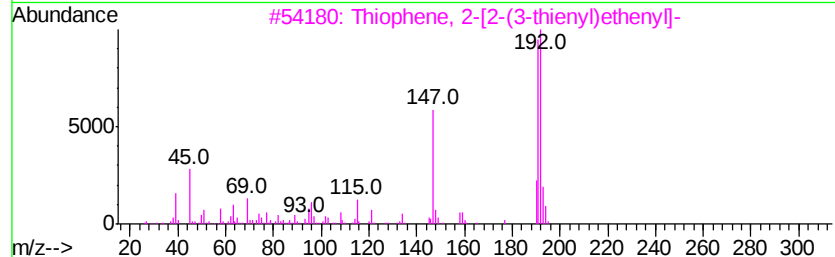
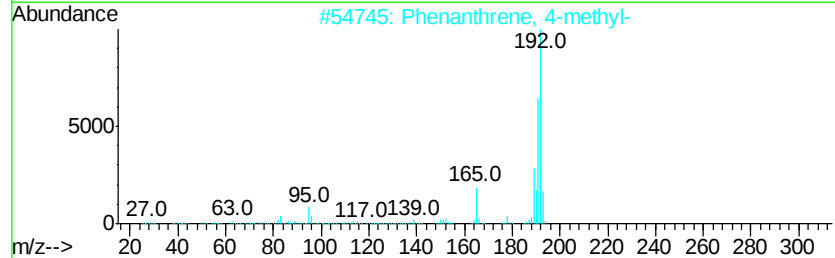
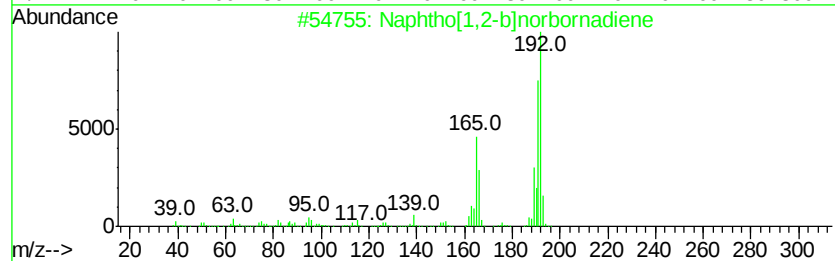
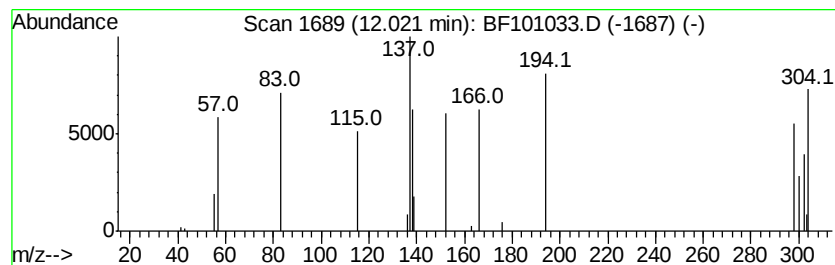
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphtho[1,2-b]norbornadiene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.14 ng	29377	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	72
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
3		Thiophene, 2-[2-(3-thienyl)ethen...	192	C10H8S2	116854-09-2	64
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	64
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101033.D
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Operator : SJ/JU
Sample : I6300-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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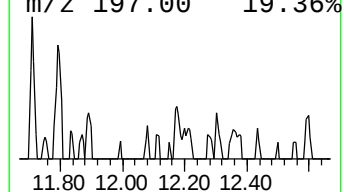
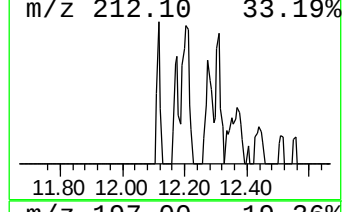
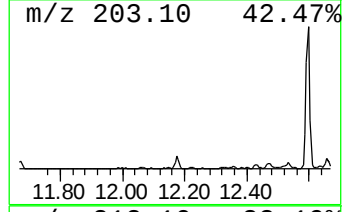
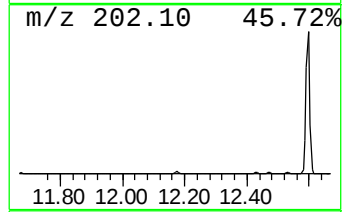
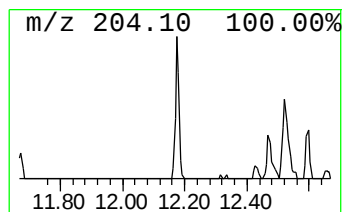
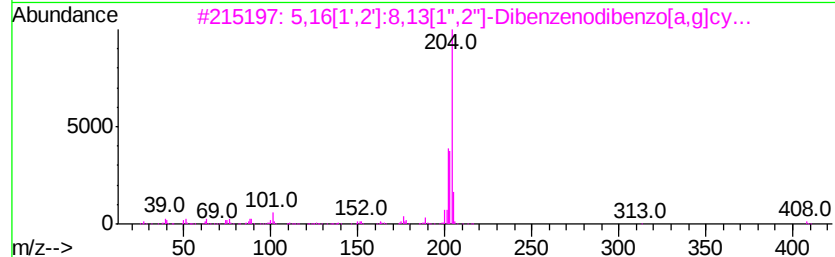
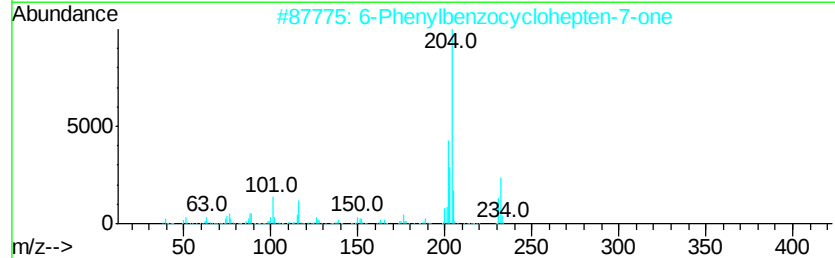
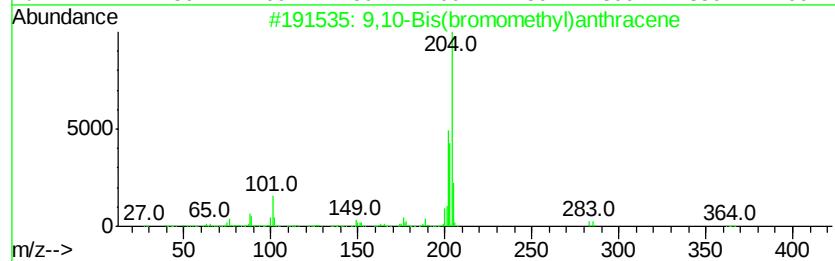
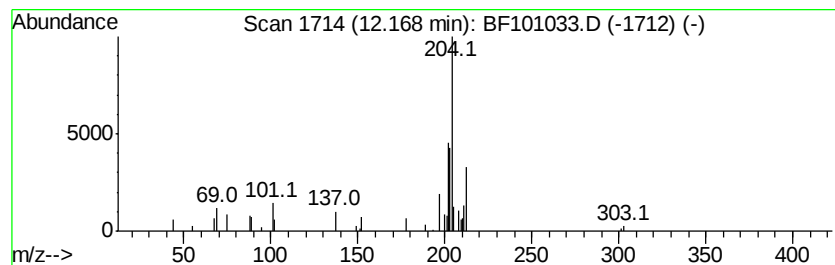
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Bis(bromomethyl)anthra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.47 ng	33886	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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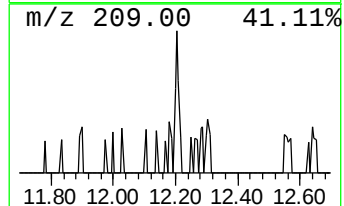
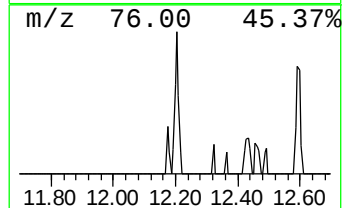
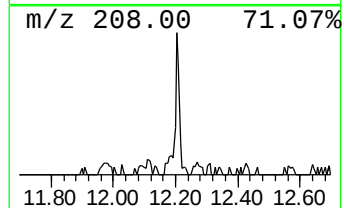
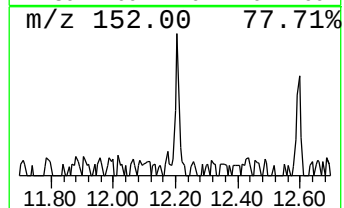
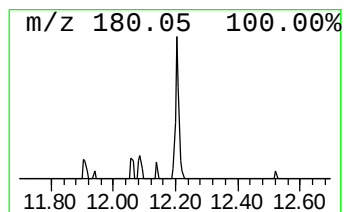
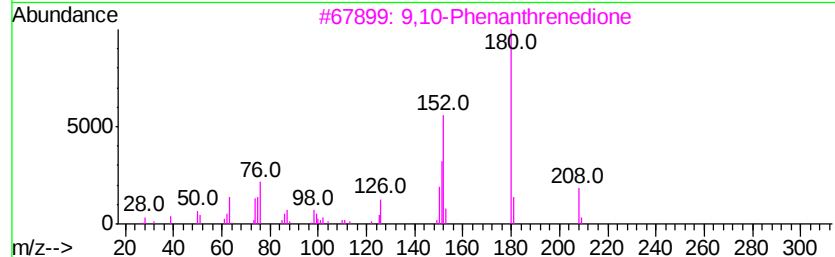
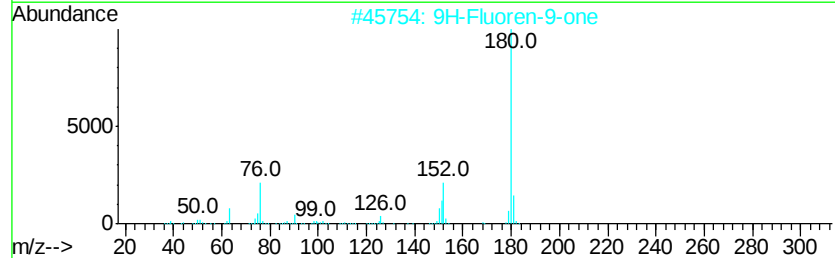
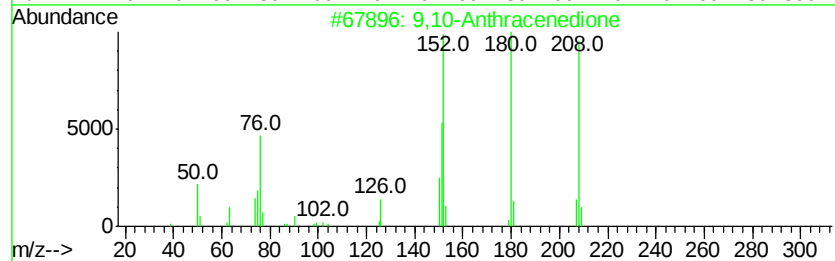
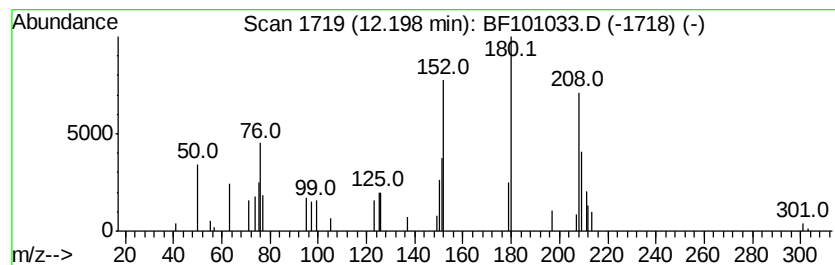
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.51 ng	34451	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	52
4			Nickel, [1,2-ethanedivlbis(dimet...	238	C8H22NiP2	122905-77-5	50
5			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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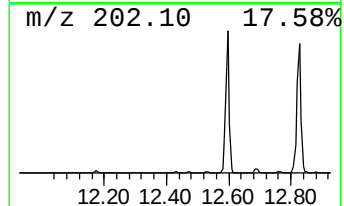
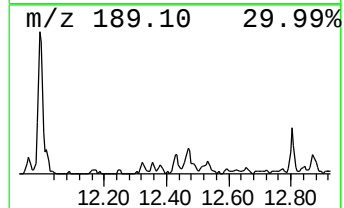
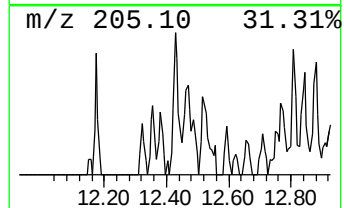
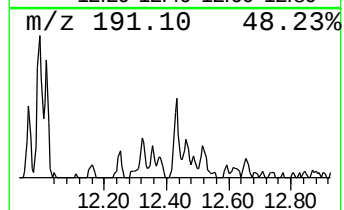
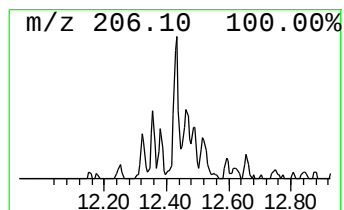
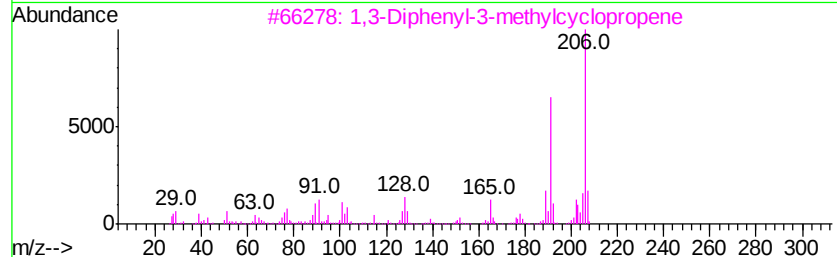
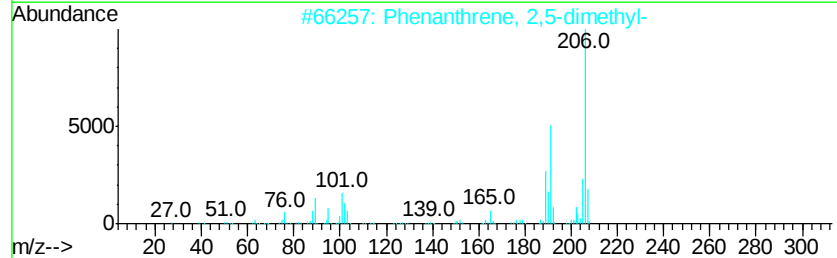
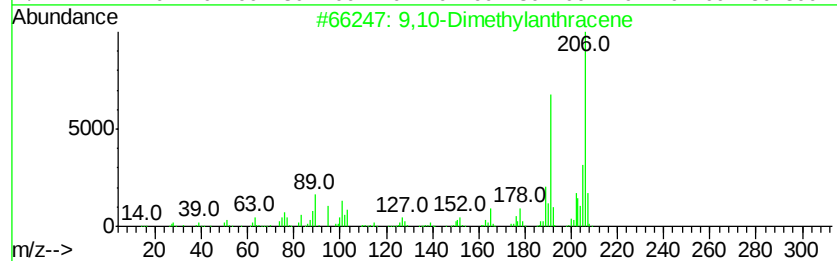
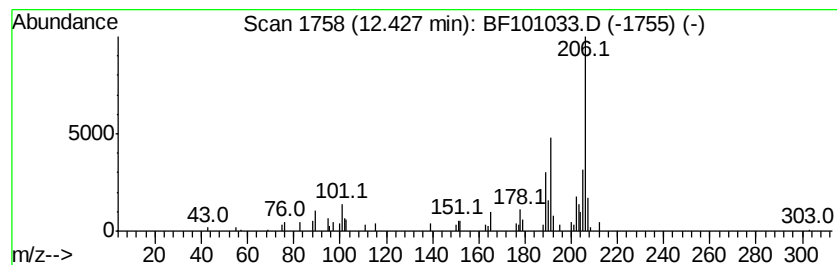
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Dimethylantracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	3.78 ng	51851	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	95
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



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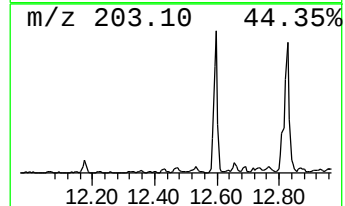
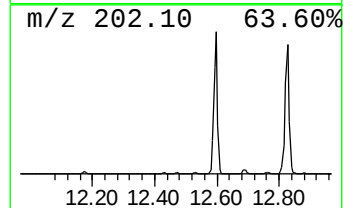
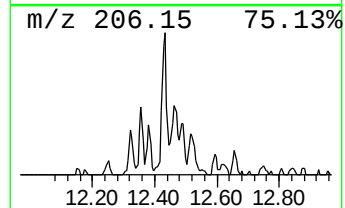
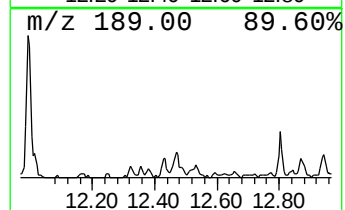
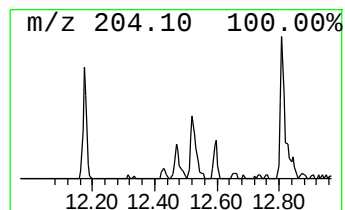
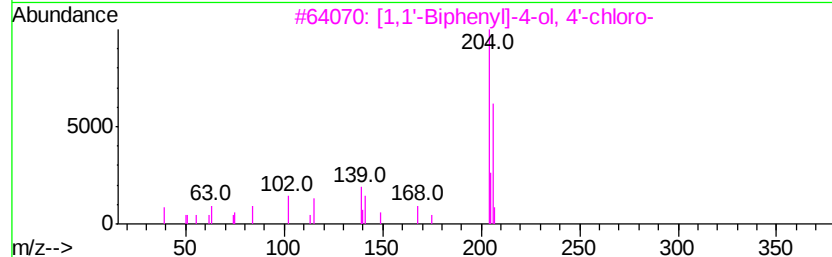
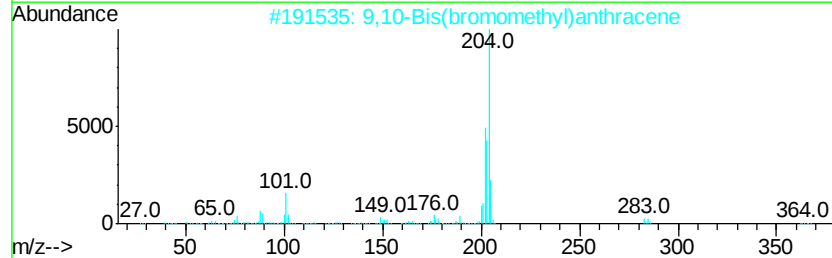
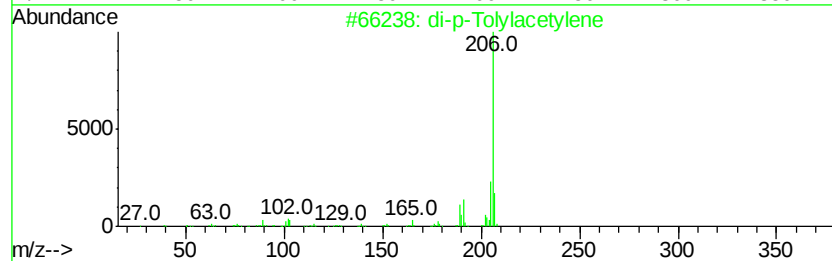
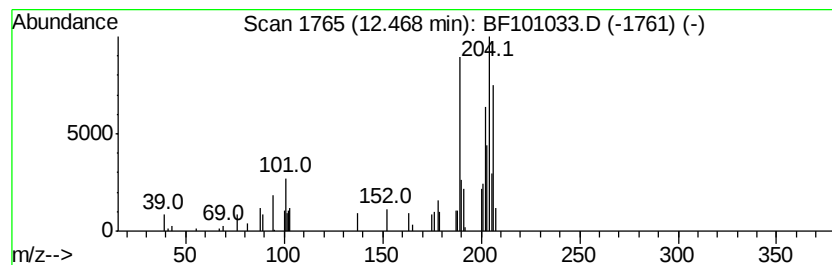
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.47 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.18 ng	29839	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	42
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30
4		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27
5		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101033.D
Acq On : 30 Nov 2017 22:25
Operator : SJ/JU
Sample : I6300-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

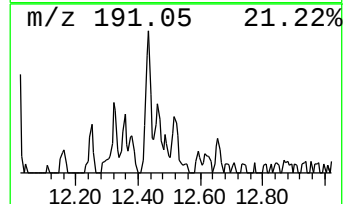
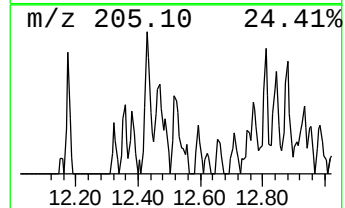
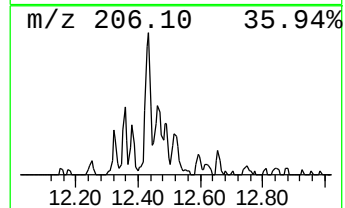
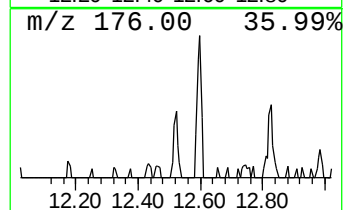
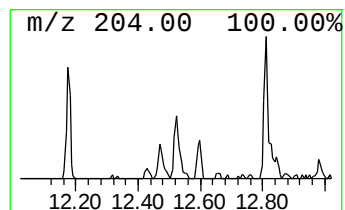
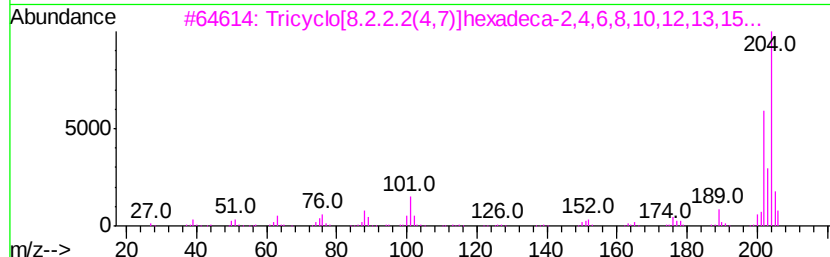
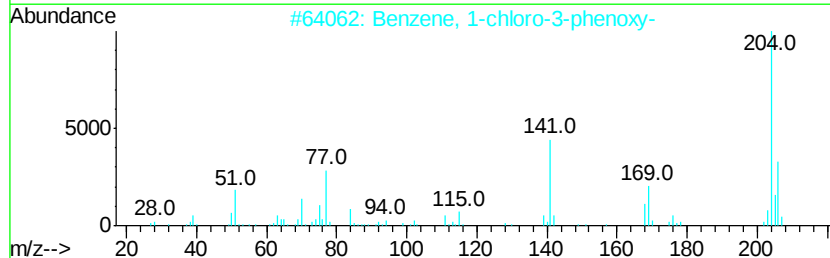
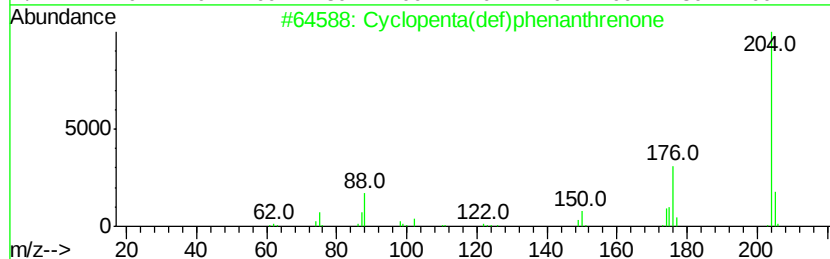
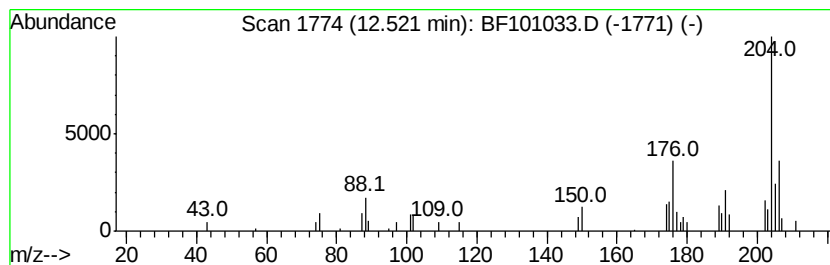
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.62 ng	35897	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
4		4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	46
5		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43



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Data File : BF101033.D
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Sample : I6300-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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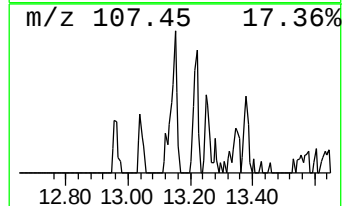
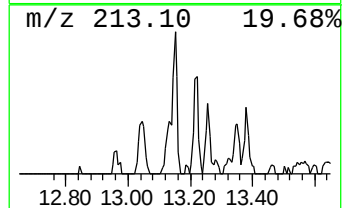
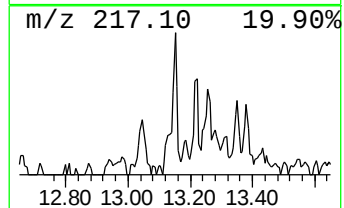
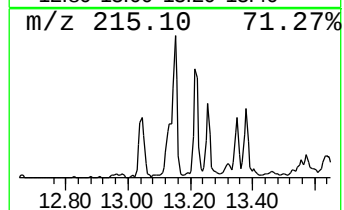
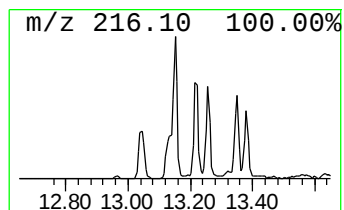
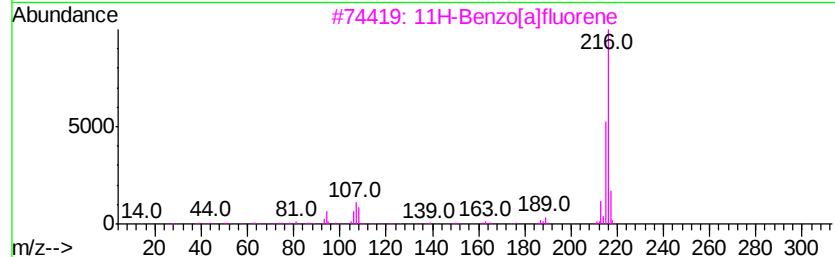
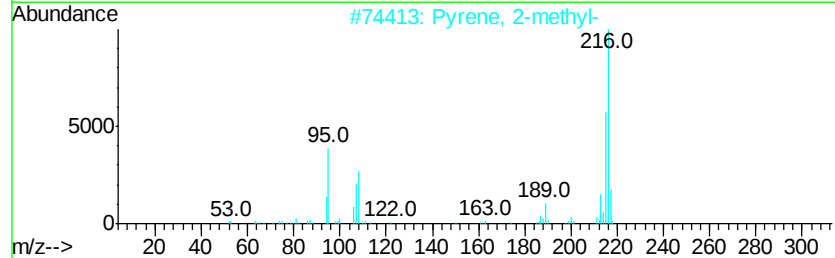
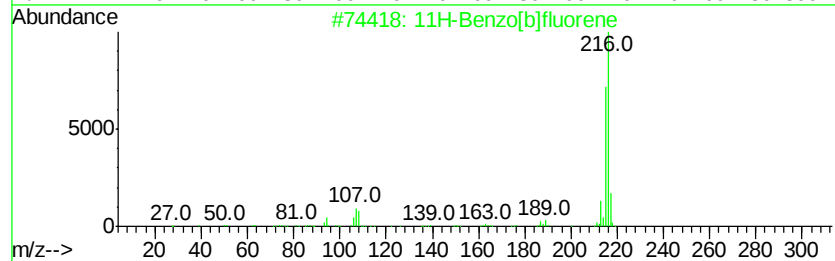
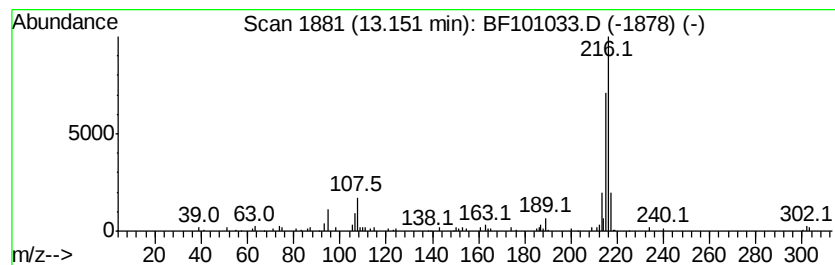
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.81 ng	91794	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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Sample : I6300-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112917

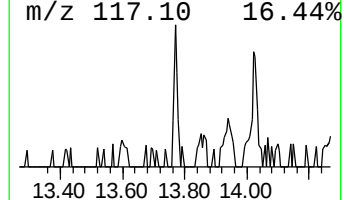
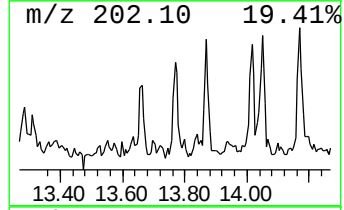
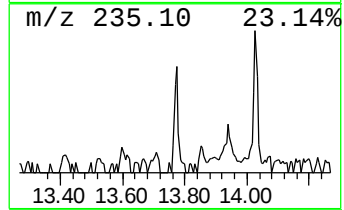
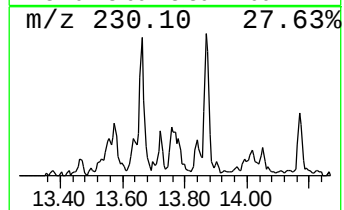
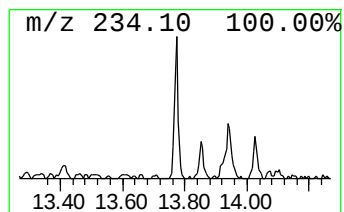
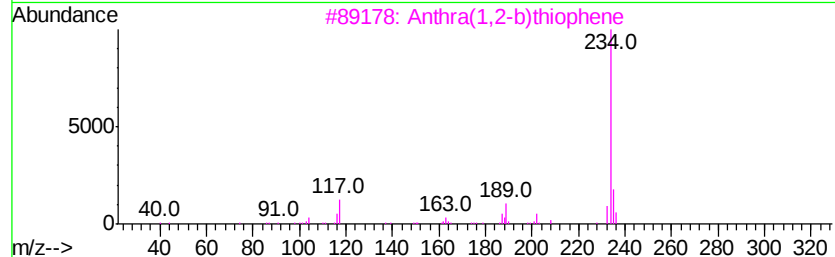
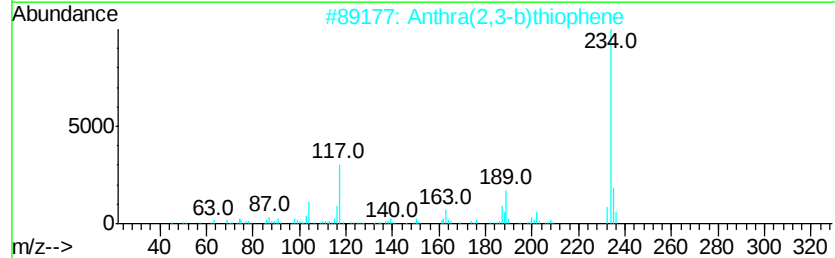
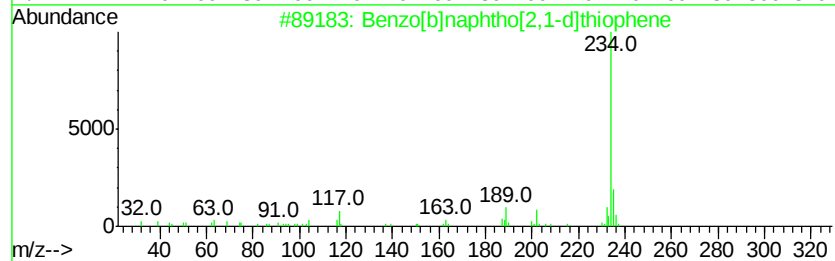
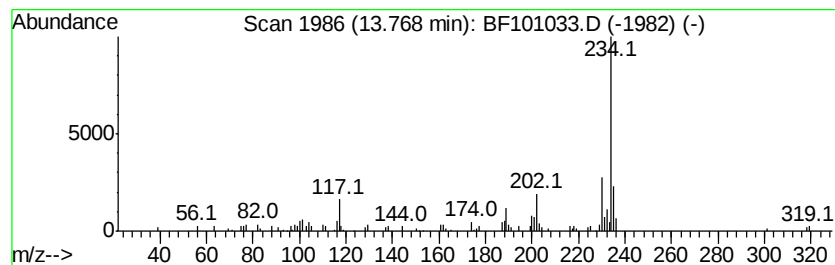
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.01 ng	65636	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2		Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
3		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
Data File : BF101033.D
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Sample : I6300-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112917

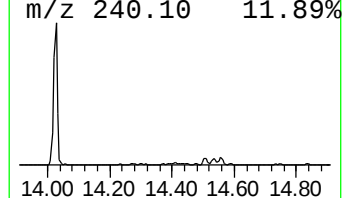
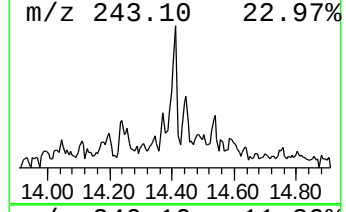
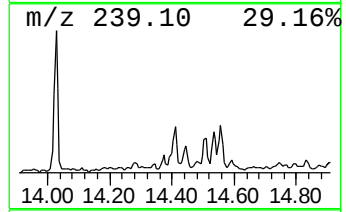
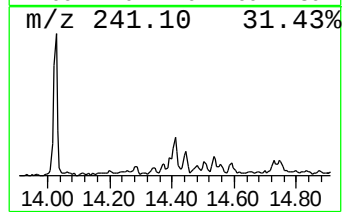
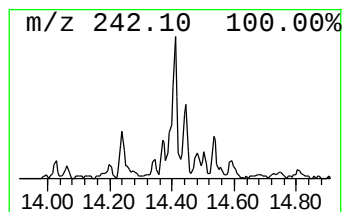
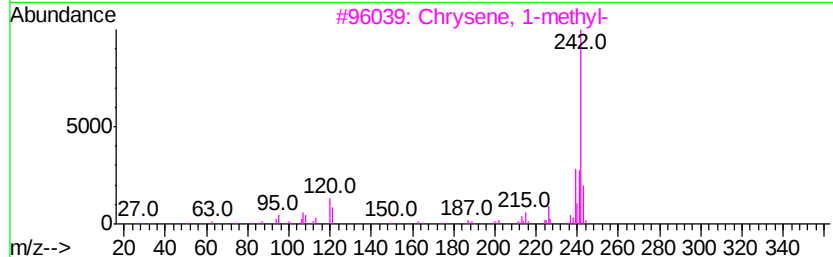
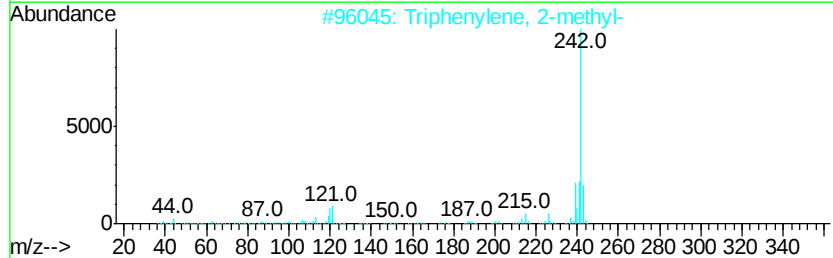
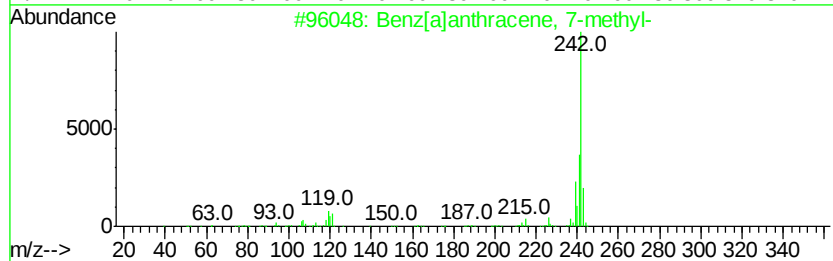
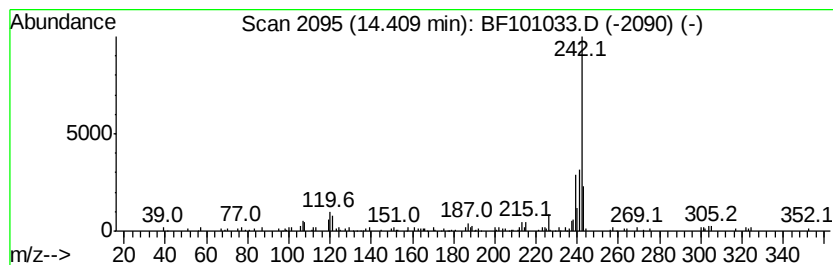
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	2.29 ng	75026	Chrysene-d12	14.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
2			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	76
3			Chrysene, 1-methyl-	242	C19H14	003351-28-8	76
4			Chrysene, 5-methyl-	242	C19H14	003697-24-3	76
5			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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Sample : I6300-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112917

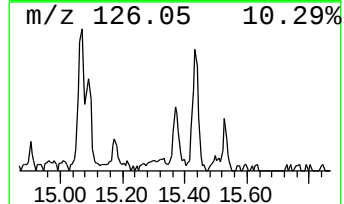
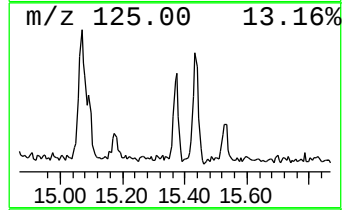
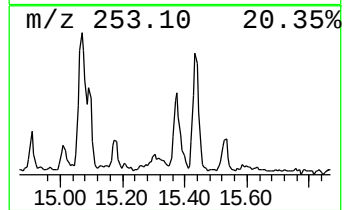
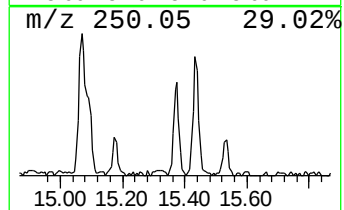
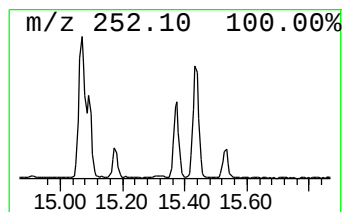
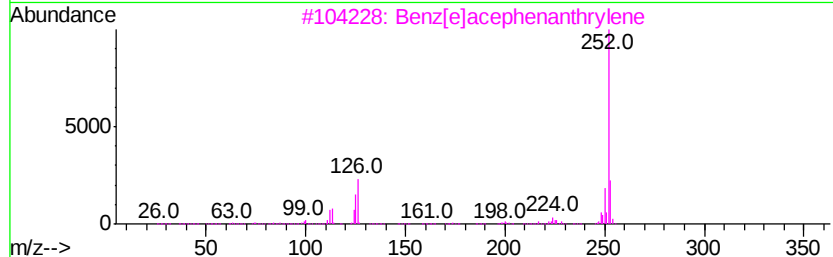
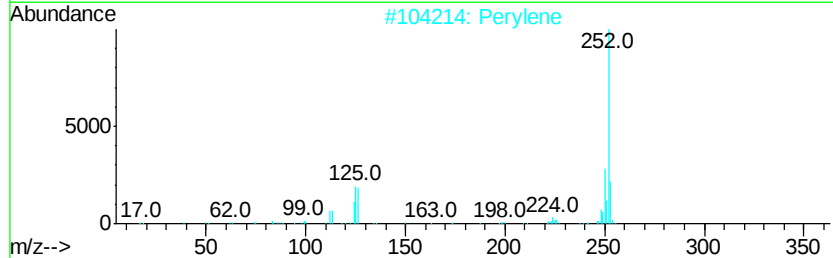
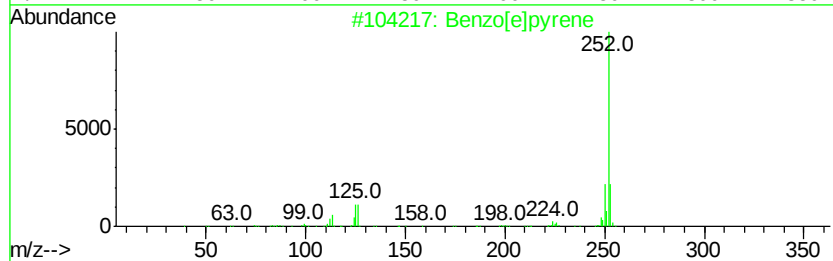
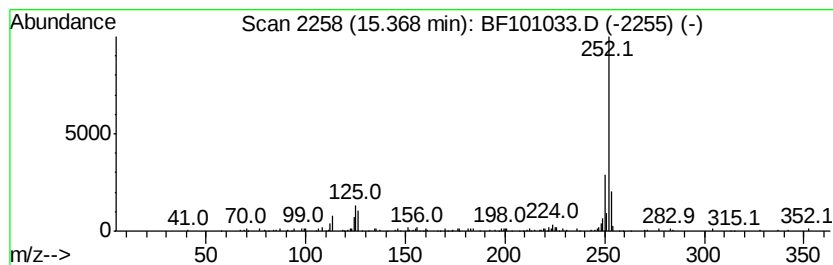
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	9.94 ng	125989	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



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 ALS Vial : 14 Sample Multiplier: 1

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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.62	6.62	16.0	ng	226855	1	6.85	283948	20.0
Biphenylene	9.75	2.0	ng	28020	3	9.89	279823	20.0
1,1'-Biphenyl, 2-...	11.61	2.3	ng	31111	4	11.38	274223	20.0
Phenanthrene, 1-m...	11.88	3.7	ng	50422	4	11.38	274223	20.0
4H-Cyclopenta[def...	11.99	8.7	ng	119090	4	11.38	274223	20.0
Naphtho[1,2-b]nor...	12.02	2.1	ng	29377	4	11.38	274223	20.0
9,10-Bis(bromomet...	12.17	2.5	ng	33886	4	11.38	274223	20.0
9,10-Anthracenedione	12.20	2.5	ng	34451	4	11.38	274223	20.0
9,10-Dimethylanthe...	12.43	3.8	ng	51851	4	11.38	274223	20.0
unknown12.47	12.47	2.2	ng	29839	4	11.38	274223	20.0
Cyclopenta(def)ph...	12.52	2.6	ng	35897	4	11.38	274223	20.0
11H-Benzo[b]fluorene	13.15	2.8	ng	91794	5	14.03	654033	20.0
Benzo[b]naphtho[2...	13.77	2.0	ng	65636	5	14.03	654033	20.0
Benz[a]anthracene...	14.41	2.3	ng	75026	5	14.03	654033	20.0
Benzo[e]pyrene	15.37	9.9	ng	125989	6	15.50	253565	20.0