

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111423.D
 Acq On : 14 Dec 2018 17:17
 Operator : JU/SJ
 Sample : J6319-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 064_SW-E-2

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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	4.434	394	399	405	rVB3	544444	889635	4.23%	0.302%
2	4.945	482	486	491	rVB3	516997	874274	4.16%	0.297%
3	5.381	557	560	561	rVV	1705912	1604194	7.63%	0.545%
4	5.398	561	563	564	rVV	1808642	1641330	7.81%	0.557%
5	5.416	564	566	570	rVB	3615693	3426482	16.30%	1.163%
6	5.822	630	635	639	rVB4	654948	962065	4.58%	0.327%
7	5.957	653	658	662	rVB3	1108444	1350779	6.43%	0.459%
8	6.051	671	674	677	rVV	1332308	1250797	5.95%	0.425%
9	6.257	700	709	712	rBV	1515912	2193510	10.44%	0.745%
10	6.328	719	721	723	rVV3	877542	1034838	4.92%	0.351%
11	6.351	723	725	730	rVB	971013	893886	4.25%	0.303%
12	6.398	730	733	735	rBV2	1328401	1153996	5.49%	0.392%
13	6.439	735	740	744	rVV	3680589	4162202	19.80%	1.413%
14	6.569	753	762	766	rBV	4252020	4872621	23.18%	1.654%
15	6.622	768	771	776	rBV2	2671784	2695029	12.82%	0.915%
16	6.792	798	800	803	rVV	1530448	1307170	6.22%	0.444%
17	6.857	808	811	815	rBV2	1177127	1223386	5.82%	0.415%
18	6.951	824	827	829	rVV	3723672	3163309	15.05%	1.074%
19	6.980	829	832	835	rVB2	1482543	1566164	7.45%	0.532%
20	7.051	838	844	846	rBV	1387191	1701314	8.09%	0.578%
21	7.075	846	848	851	rVB2	795320	857976	4.08%	0.291%
22	7.116	851	855	858	rBV2	1836853	1755167	8.35%	0.596%
23	7.192	864	868	871	rBV	1229464	1116357	5.31%	0.379%
24	7.333	888	892	894	rBV	2732469	3167730	15.07%	1.075%
25	7.357	894	896	901	rVB2	2494908	2867459	13.64%	0.973%
26	7.445	907	911	915	rBV5	1083134	1313195	6.25%	0.446%
27	7.486	915	918	920	rBV3	624821	844111	4.02%	0.287%
28	7.569	927	932	935	rBV2	1863304	2253773	10.72%	0.765%
29	7.604	935	938	942	rVB3	1267469	1665511	7.92%	0.565%
30	7.686	947	952	954	rBV2	935589	1060873	5.05%	0.360%
31	7.728	956	959	962	rVV3	1051931	1252607	5.96%	0.425%
32	7.816	969	974	977	rBV2	1300405	1480437	7.04%	0.503%
33	8.075	1014	1018	1020	rVV2	2285718	2718591	12.93%	0.923%
34	8.098	1020	1022	1025	rVV3	1770945	1641447	7.81%	0.557%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.151	1197	1201	1204	rBV	4053857	3122574	14.86%	1.060%
36	9.686	1287	1292	1298	rBV	1143825	1043039	4.96%	0.354%
37	9.827	1310	1316	1319	rBV3	1614289	1557947	7.41%	0.529%
38	9.863	1319	1322	1325	rVB	2330652	1846156	8.78%	0.627%
39	10.033	1347	1351	1354	rVB	1174882	976476	4.65%	0.331%
40	10.374	1405	1409	1415	rBV	2724730	2603308	12.38%	0.884%
41	10.616	1446	1450	1454	rVV	2638359	2609302	12.41%	0.886%
42	10.921	1496	1502	1505	rBV3	822438	1341530	6.38%	0.455%
43	11.174	1540	1545	1549	rVV3	1120850	1573295	7.48%	0.534%
44	11.210	1549	1551	1558	rVB	1380204	1366339	6.50%	0.464%
45	11.316	1565	1569	1570	rBV	870027	846645	4.03%	0.287%
46	11.357	1570	1576	1578	rVV	9972416	13229500	62.94%	4.491%
47	11.398	1578	1583	1585	rVV	4304299	3656610	17.40%	1.241%
48	11.545	1605	1608	1611	rBV	1447660	1095575	5.21%	0.372%
49	11.821	1651	1655	1657	rBV	2326829	2230660	10.61%	0.757%
50	11.851	1657	1660	1664	rVB	3523870	3104398	14.77%	1.054%
51	11.898	1665	1668	1671	rVV	1294177	1303306	6.20%	0.442%
52	11.939	1671	1675	1677	rVV	4951519	5576528	26.53%	1.893%
53	11.957	1677	1678	1682	rVB	1883797	1321037	6.28%	0.448%
54	12.115	1702	1705	1708	rBV	1594990	1501597	7.14%	0.510%
55	12.380	1747	1750	1753	rBV	1203508	1434373	6.82%	0.487%
56	12.574	1774	1783	1785	rBV	10381531	19455044	92.55%	6.604%
57	12.698	1802	1804	1807	rVB	907006	880155	4.19%	0.299%
58	12.804	1813	1822	1824	rBV3	9936496	21020224	100.00%	7.136%
59	12.821	1824	1825	1830	rVB2	1685329	1365409	6.50%	0.464%
60	12.886	1833	1836	1838	rBV	1385858	1486191	7.07%	0.505%
61	12.910	1838	1840	1842	rVV	1730662	1513714	7.20%	0.514%
62	12.927	1842	1843	1847	rVB	1456620	944517	4.49%	0.321%
63	12.992	1848	1854	1856	rBV2	1904379	3030039	14.41%	1.029%
64	13.074	1865	1868	1869	rBV	1169258	1182693	5.63%	0.401%
65	13.104	1869	1873	1875	rVB	4749875	5151893	24.51%	1.749%
66	13.168	1880	1884	1886	rBV	3894838	3780327	17.98%	1.283%
67	13.204	1886	1890	1893	rVV2	2718178	3232406	15.38%	1.097%
68	13.298	1902	1906	1908	rBV	1552474	1518016	7.22%	0.515%
69	13.327	1908	1911	1913	rVB	1763072	1521568	7.24%	0.517%
70	13.498	1932	1940	1941	rBV4	929799	1788682	8.51%	0.607%
71	13.521	1941	1944	1946	rVV	1294624	1361394	6.48%	0.462%

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Sampling : 1 Min Area: 3 % of largest Peak
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72	13.580	1950	1954	1956	rBV2	908727	1321359	6.29%	0.449%
73	13.604	1956	1958	1962	rVB2	1213965	1406841	6.69%	0.478%
74	13.715	1972	1977	1980	rBV2	2318855	3230446	15.37%	1.097%
75	13.745	1980	1982	1984	rVV	2022970	1599279	7.61%	0.543%
76	13.774	1984	1987	1990	rVV2	1455538	1646613	7.83%	0.559%
77	13.886	2003	2006	2012	rVB	780846	991949	4.72%	0.337%
78	13.974	2012	2021	2024	rBV2	7439972	16572061	78.84%	5.626%
79	14.015	2024	2028	2033	rVB	8151687	12198047	58.03%	4.141%
80	14.086	2037	2040	2043	rVB	2462676	1895126	9.02%	0.643%
81	14.156	2050	2052	2055	rVB	975612	844273	4.02%	0.287%
82	14.192	2055	2058	2062	rVB2	1501230	1852185	8.81%	0.629%
83	14.321	2077	2080	2082	rBV	866091	966274	4.60%	0.328%
84	14.362	2082	2087	2089	rVV	2826129	3467321	16.50%	1.177%
85	14.392	2089	2092	2096	rVV2	1778901	1864099	8.87%	0.633%
86	14.456	2096	2103	2105	rVV3	1322247	2425112	11.54%	0.823%
87	14.486	2105	2108	2110	rVV	1790731	2023748	9.63%	0.687%
88	14.509	2110	2112	2115	rVV3	1905672	1720189	8.18%	0.584%
89	14.551	2115	2119	2125	rVB4	1078231	1656773	7.88%	0.562%
90	14.851	2166	2170	2173	rBV	899622	1118584	5.32%	0.380%
91	15.039	2191	2202	2204	rBV	6190762	15666597	74.53%	5.318%
92	15.121	2212	2216	2219	rVB	1890325	1952760	9.29%	0.663%
93	15.321	2243	2250	2255	rVV	3783722	6526518	31.05%	2.216%
94	15.392	2255	2262	2265	rVV	5316457	8817277	41.95%	2.993%
95	15.468	2271	2275	2280	rVB2	2210934	3178943	15.12%	1.079%
96	16.886	2504	2516	2520	rVB	2369411	6121306	29.12%	2.078%
97	17.021	2533	2539	2544	rBV	614867	1333691	6.34%	0.453%
98	17.086	2545	2550	2554	rBV2	485958	864715	4.11%	0.294%
99	17.321	2578	2590	2600	rVB	1695711	4967483	23.63%	1.686%
100	17.527	2619	2625	2638	rVB2	682532	1819577	8.66%	0.618%

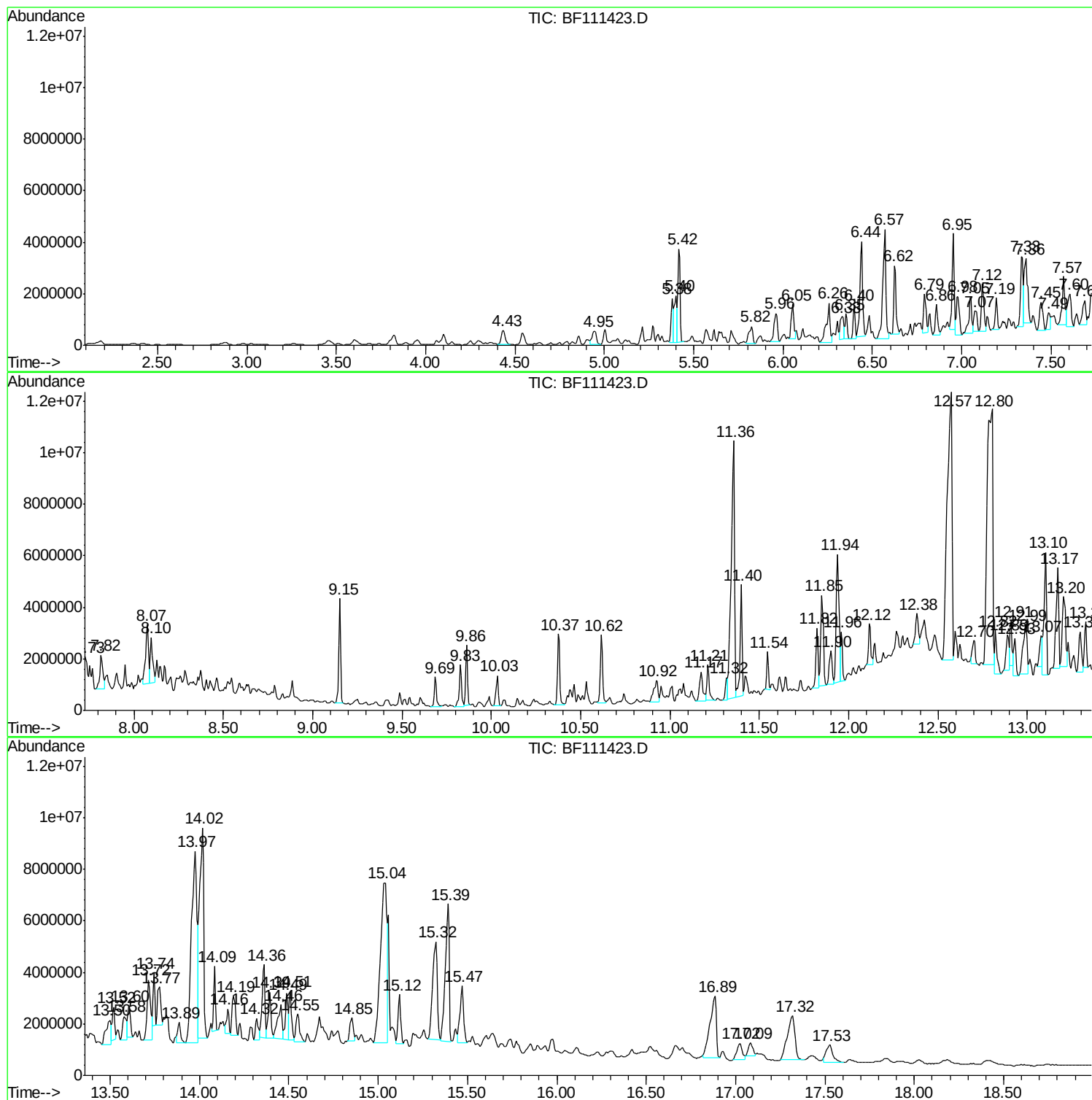
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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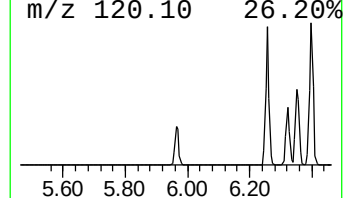
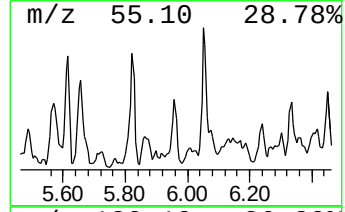
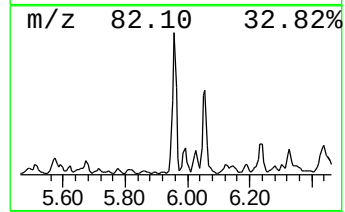
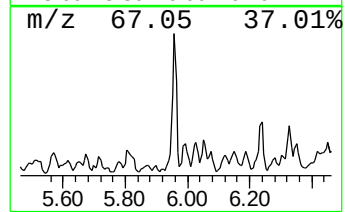
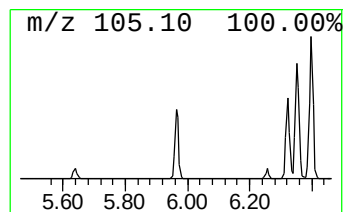
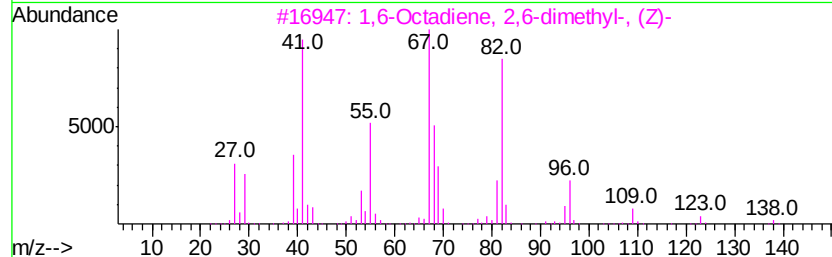
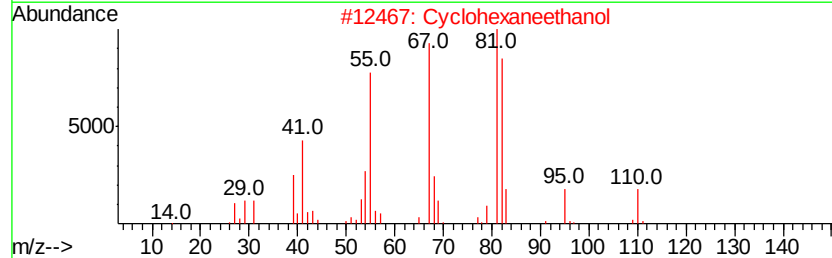
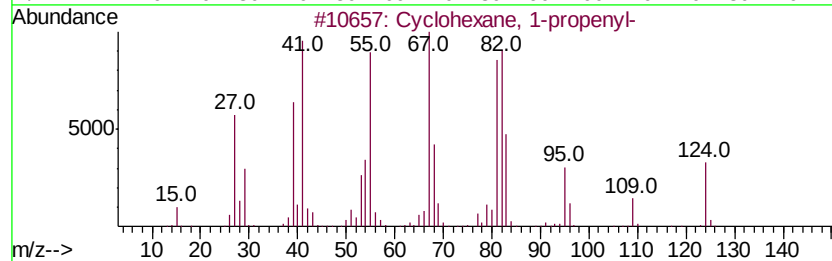
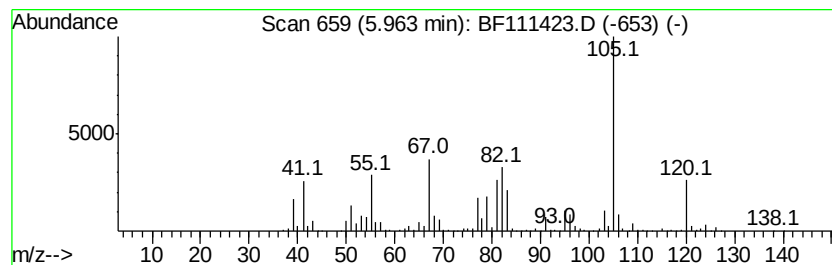
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, 1-propenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	20.67 ng	1350780	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	87
2		Cyclohexaneethanol	128	C8H16O	004442-79-9	59
3		1,6-Octadiene, 2,6-dimethyl-, (Z)-	138	C10H18	006874-34-6	46
4		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38
5		2,4-Hexadiene	82	C6H10	000592-46-1	38



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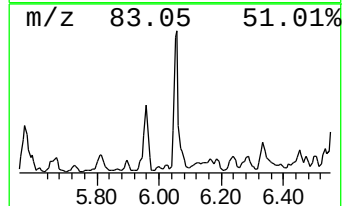
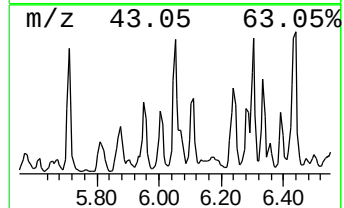
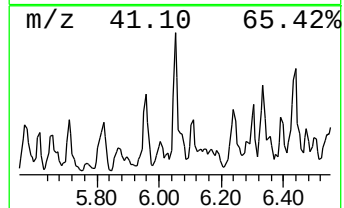
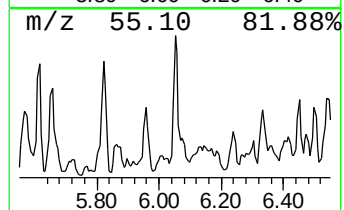
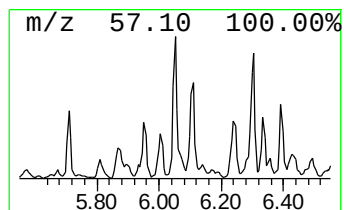
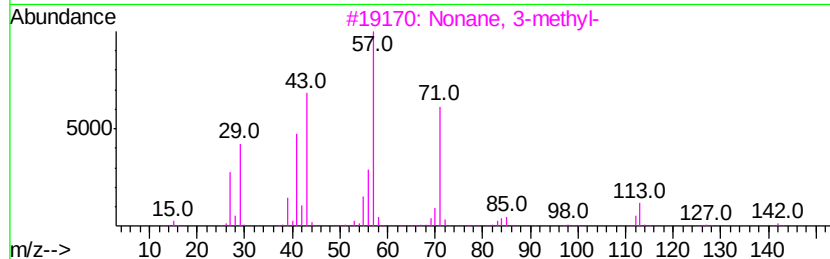
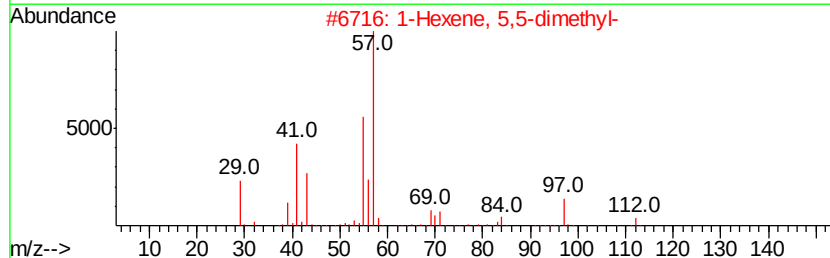
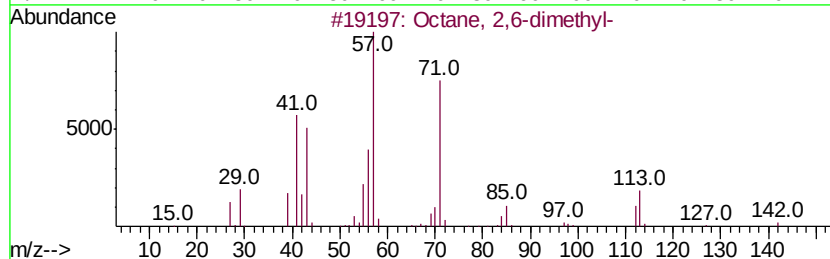
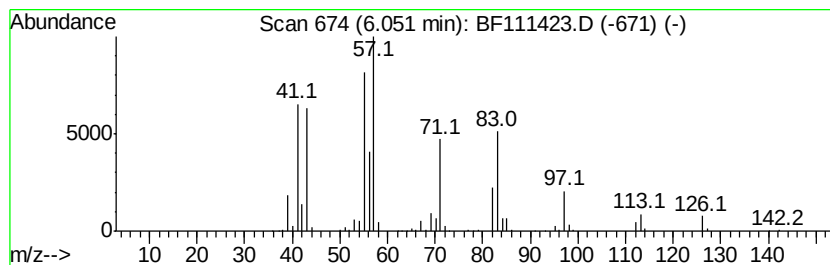
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.05 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	19.14 ng	1250800	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38
2		1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	30
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	27
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	27
5		2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	25



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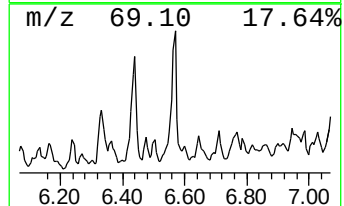
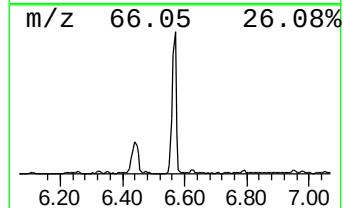
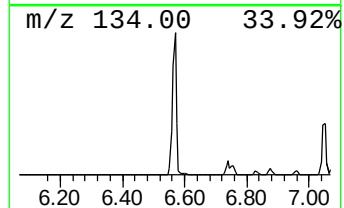
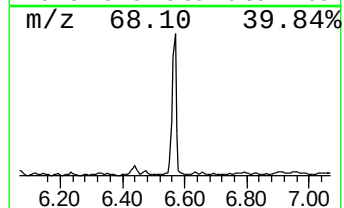
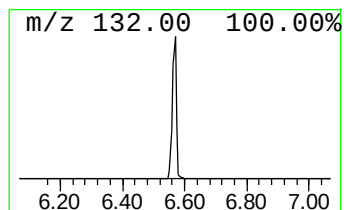
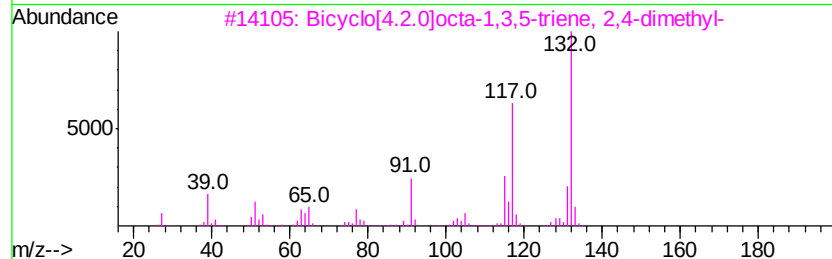
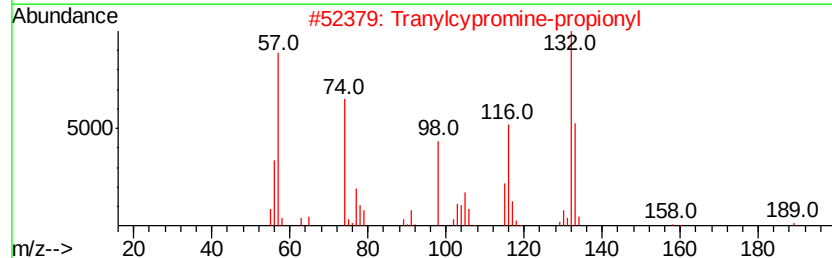
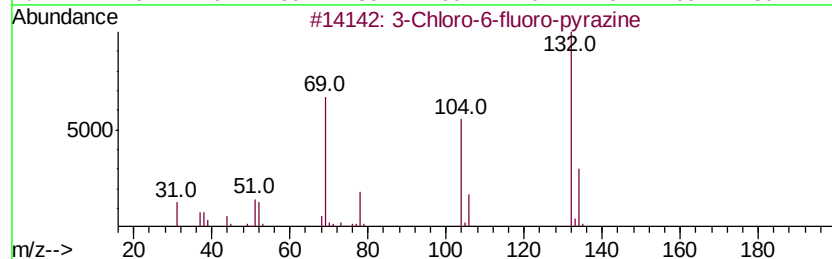
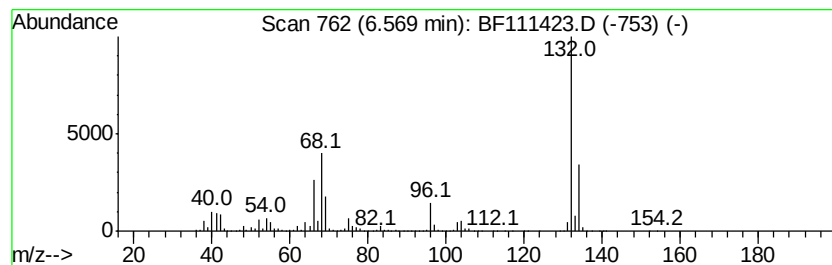
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.57 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	74.55 ng	4872620	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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Acq On : 14 Dec 2018 17:17
Operator : JU/SJ
Sample : J6319-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

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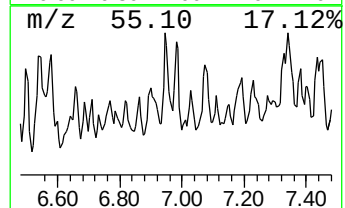
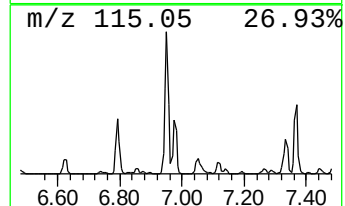
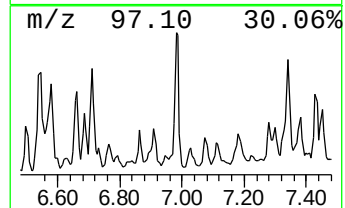
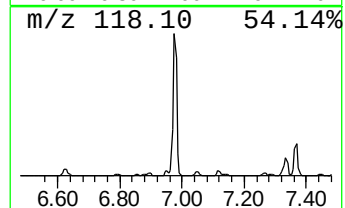
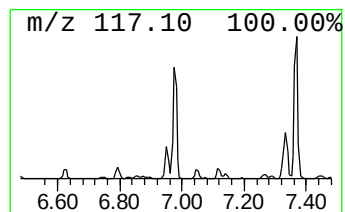
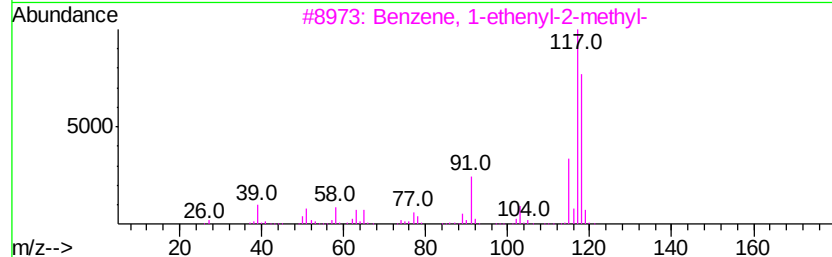
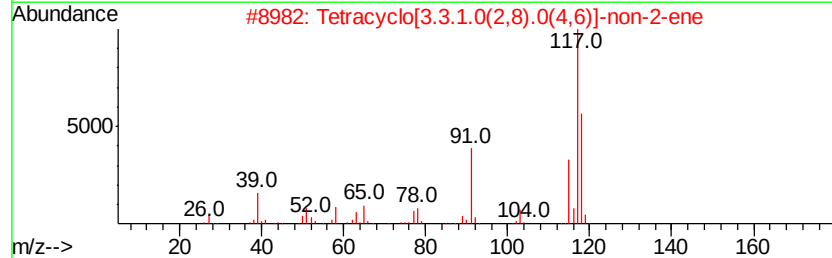
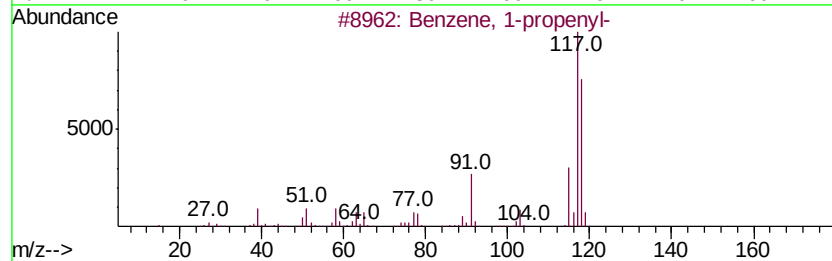
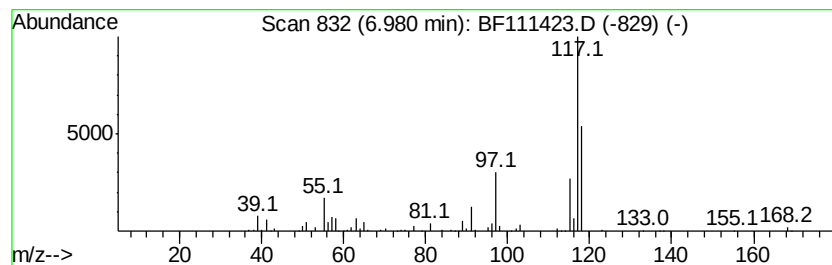
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1-propenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	23.96 ng	1566160	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	58
2		Tetracyclo[3.3.1.0(2,8).0(4,6)]-	118	C9H10	1000191-13-7	58
3		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	53
4		Deltacyclene	118	C9H10	007785-10-6	53
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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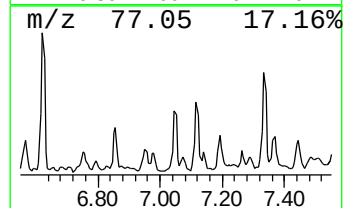
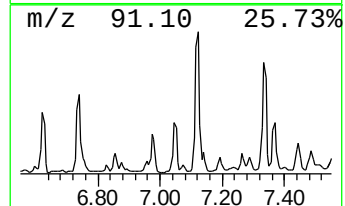
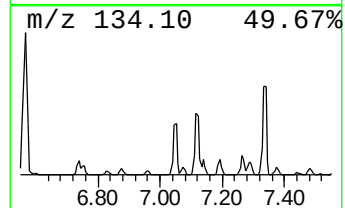
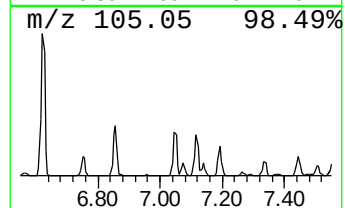
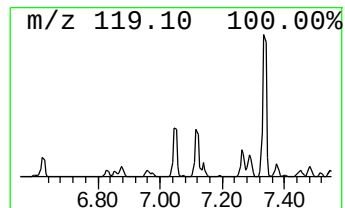
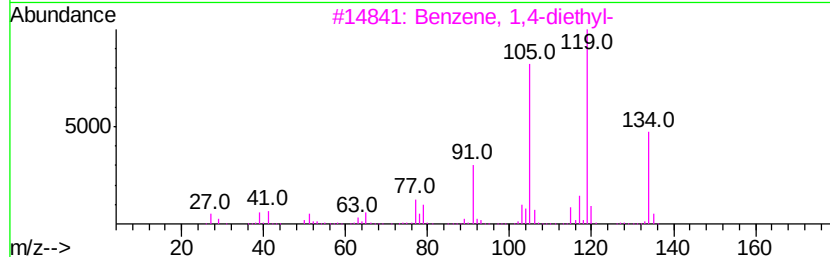
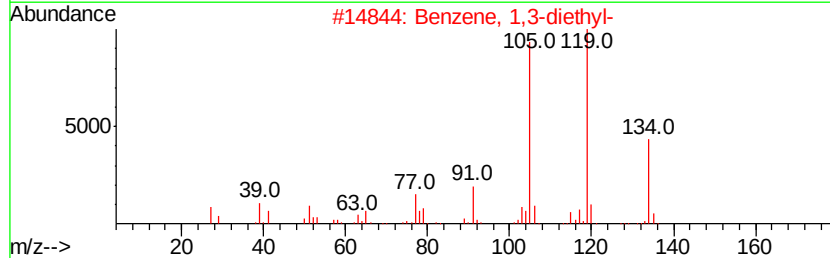
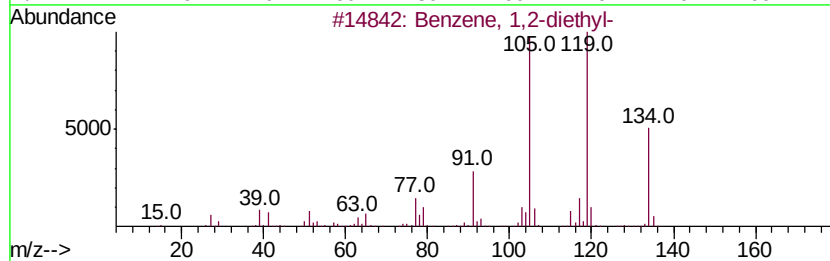
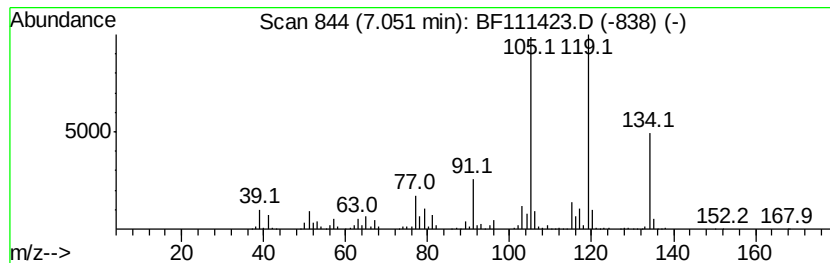
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1,2-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	26.03 ng	1701310	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
Operator : JU/SJ
Sample : J6319-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

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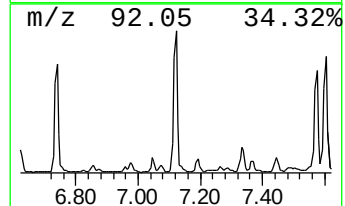
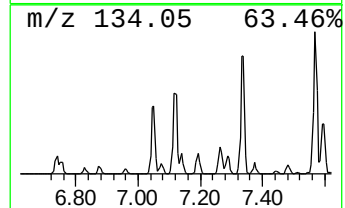
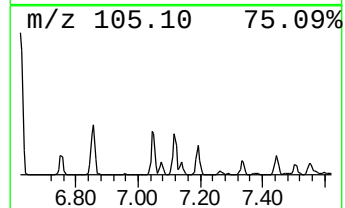
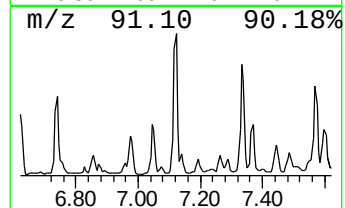
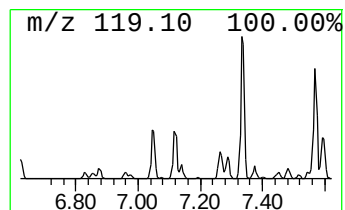
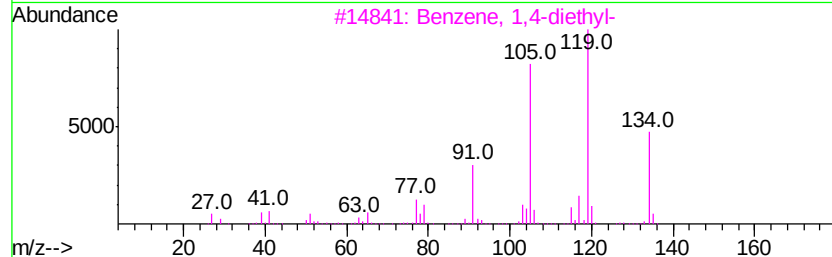
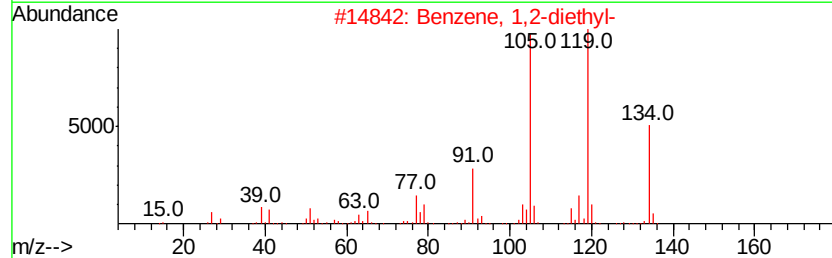
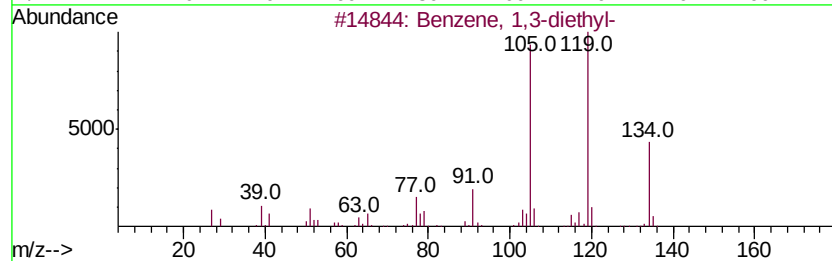
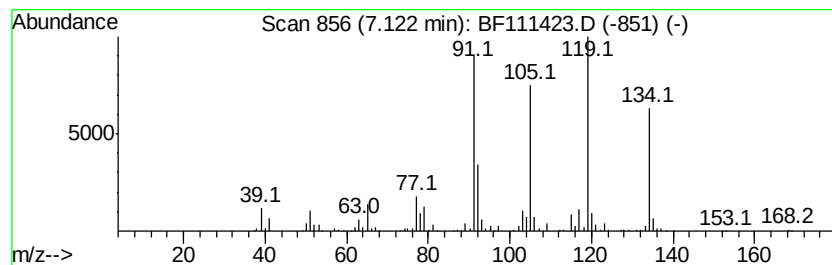
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1,3-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	26.85 ng	1755170	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4		1,3,8-p-Menthatriene	134	C10H14	018368-95-1	87
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
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Instrument :
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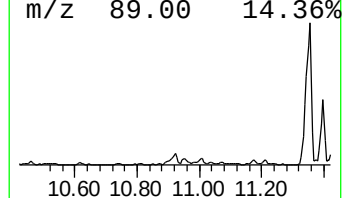
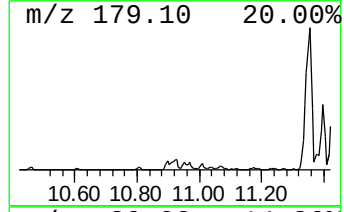
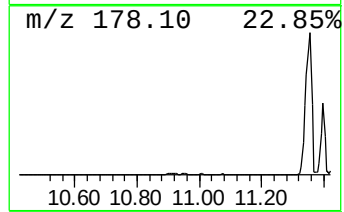
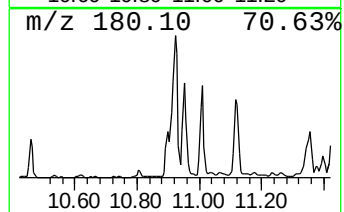
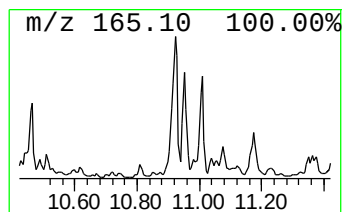
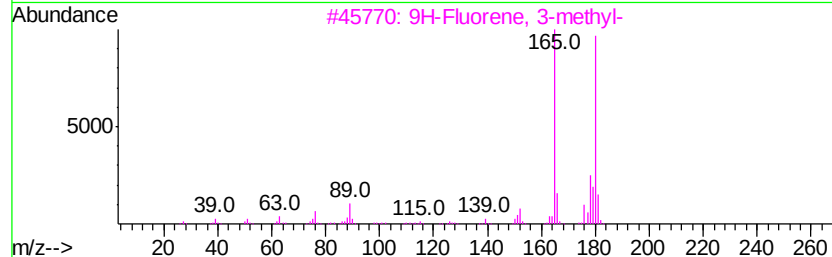
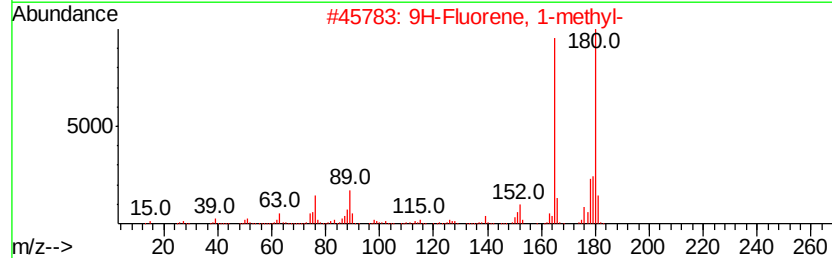
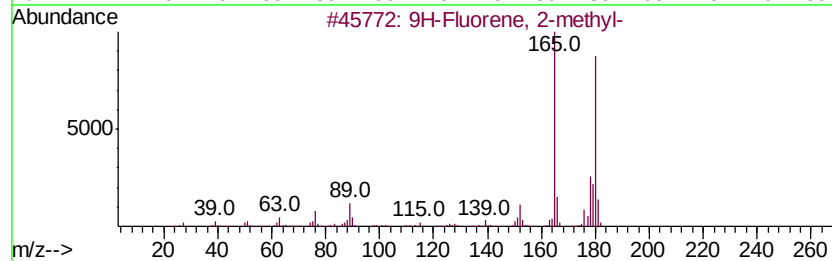
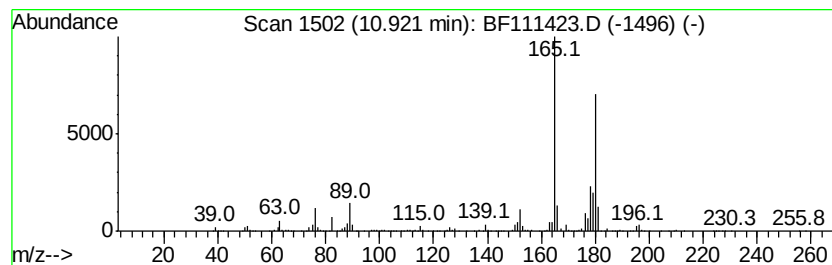
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	31.69 ng	1341530	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
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Misc :
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Instrument :
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ClientSampleId :
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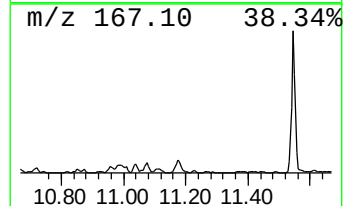
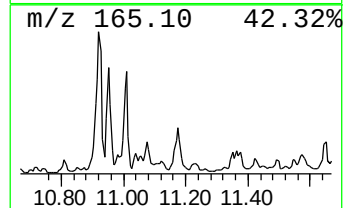
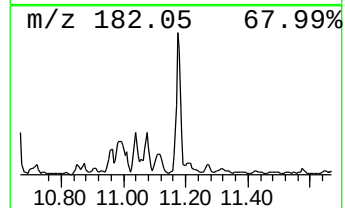
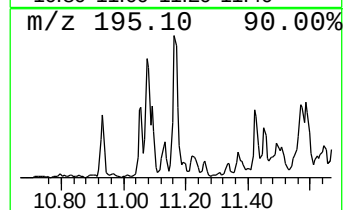
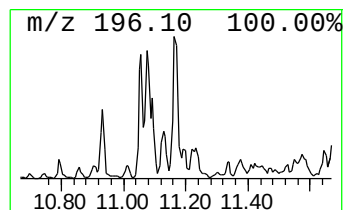
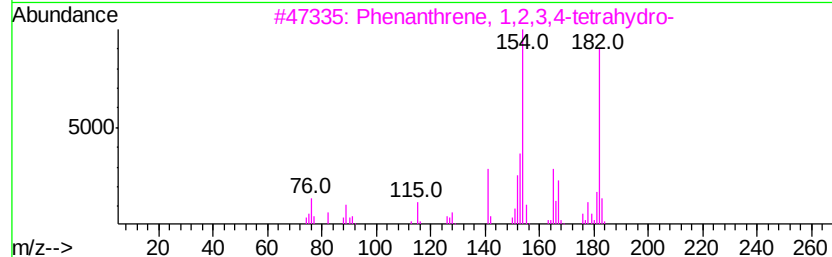
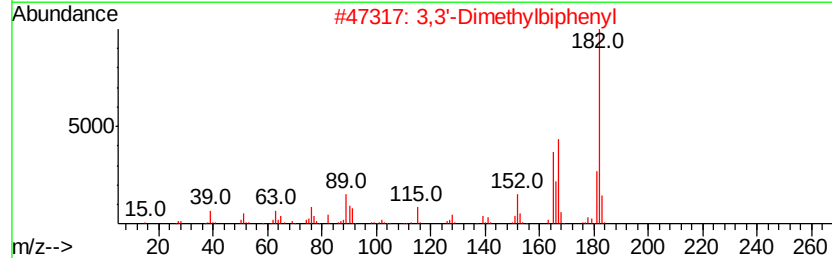
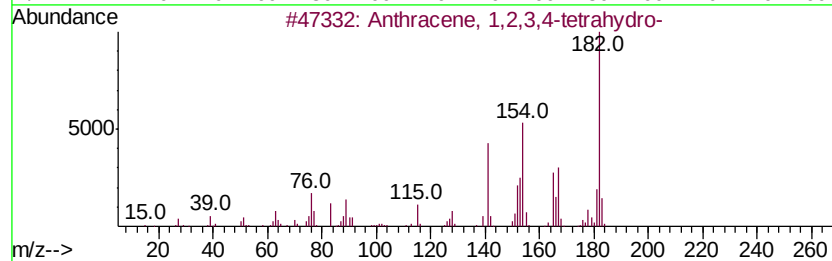
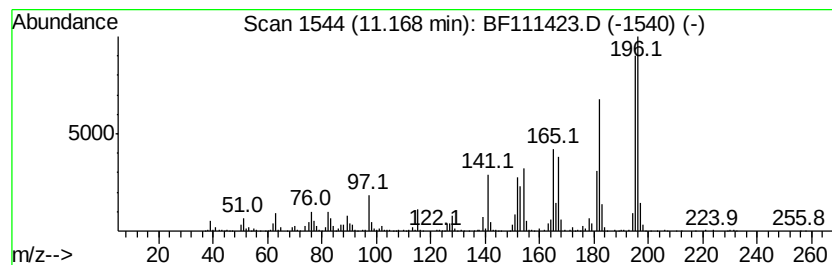
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	37.17 ng	1573300	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
3		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	53
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
5		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
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Acq On : 14 Dec 2018 17:17
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Instrument :
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ClientSampleId :
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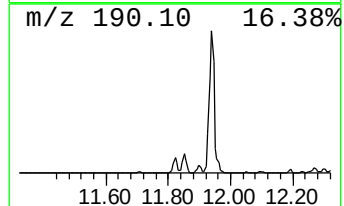
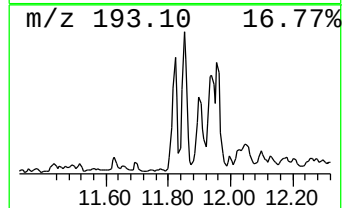
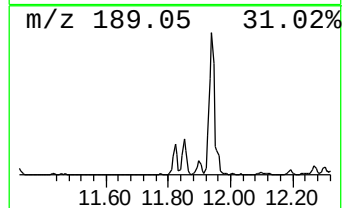
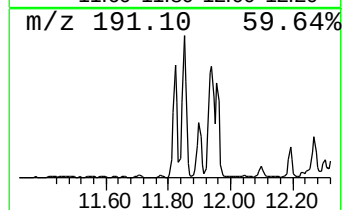
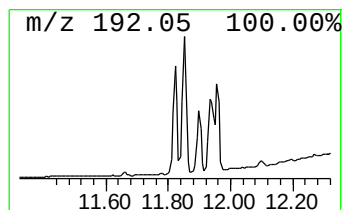
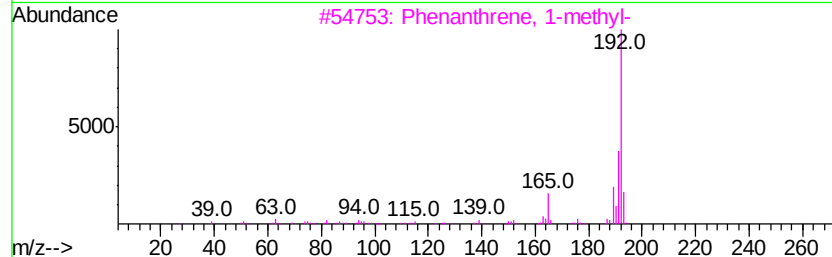
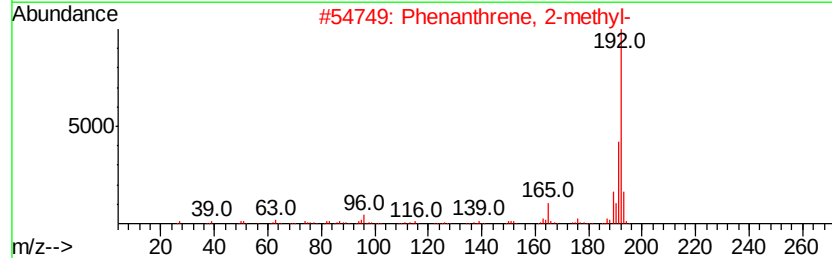
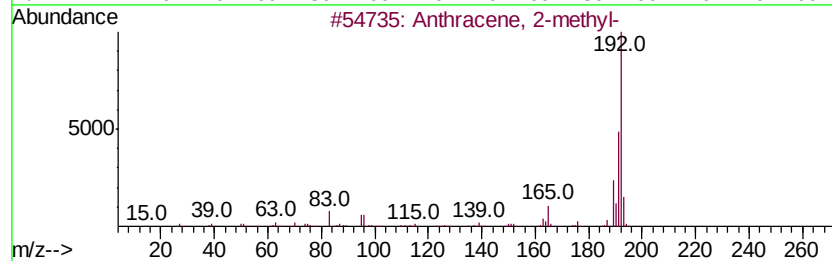
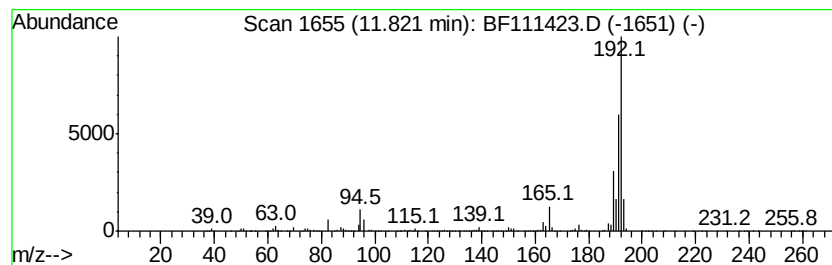
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	52.69 ng	2230660	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
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Sample : J6319-10
Misc :
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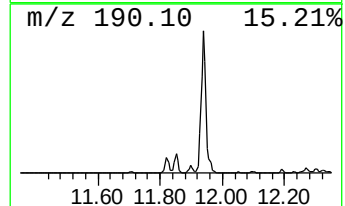
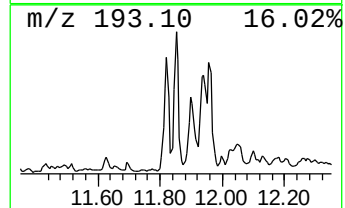
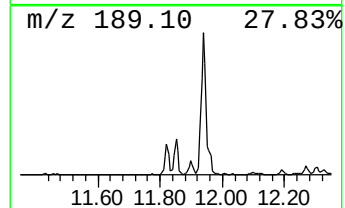
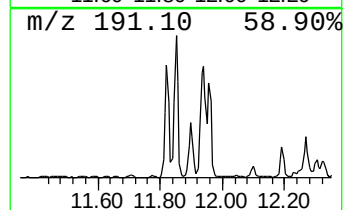
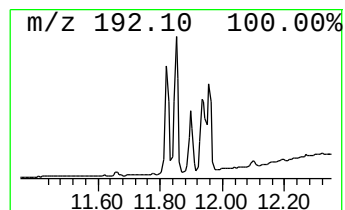
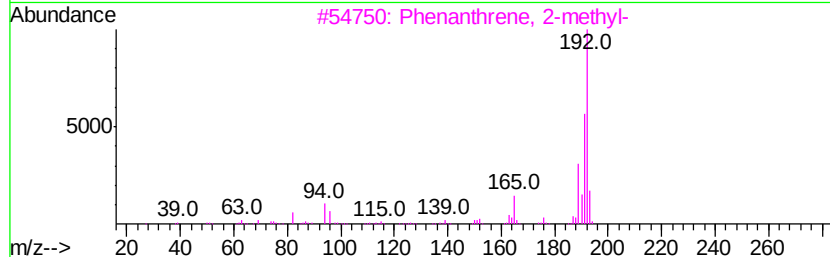
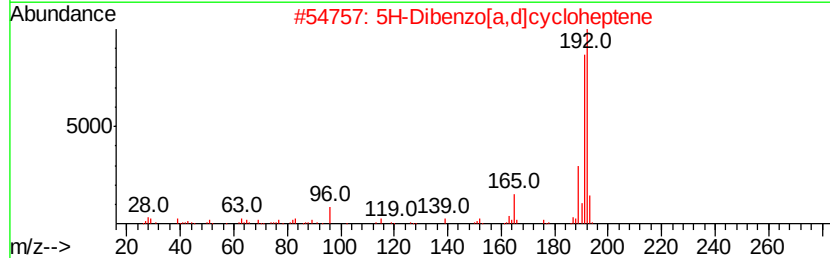
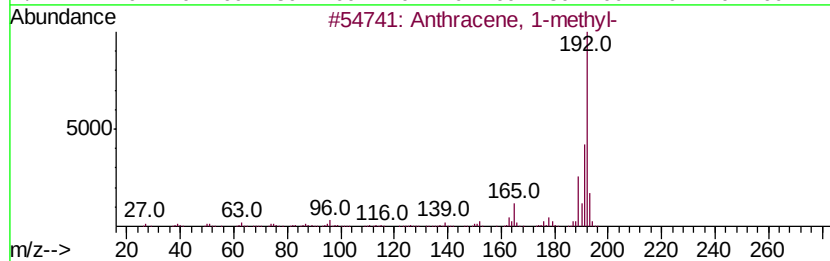
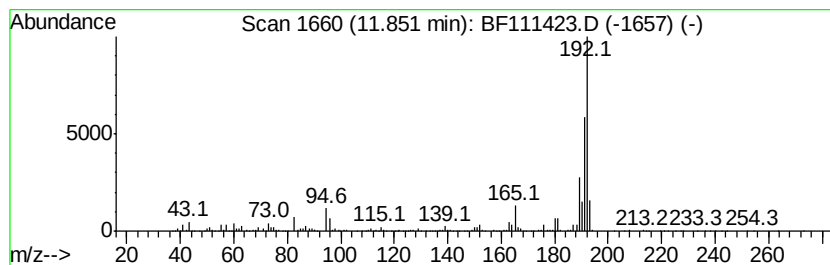
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ClientSampleId :
064_SW-E-2

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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 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	73.33 ng	3104400	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
Operator : JU/SJ
Sample : J6319-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

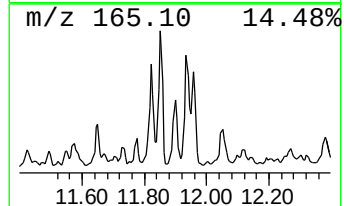
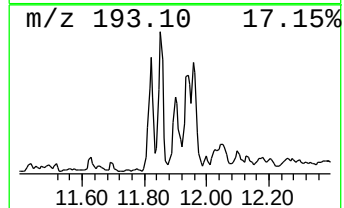
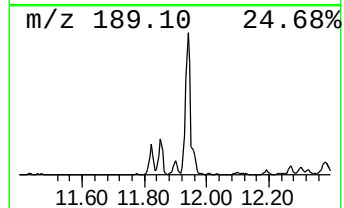
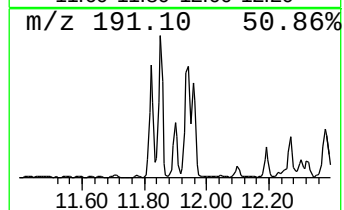
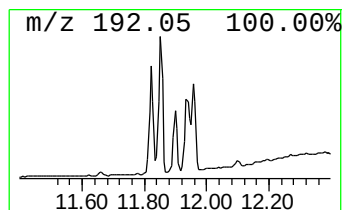
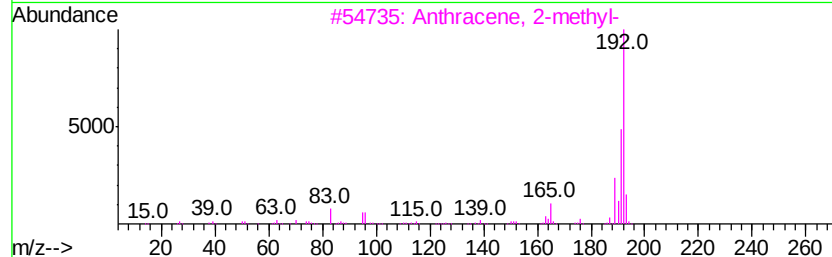
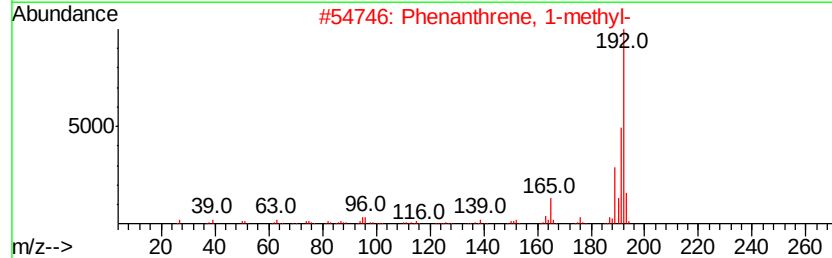
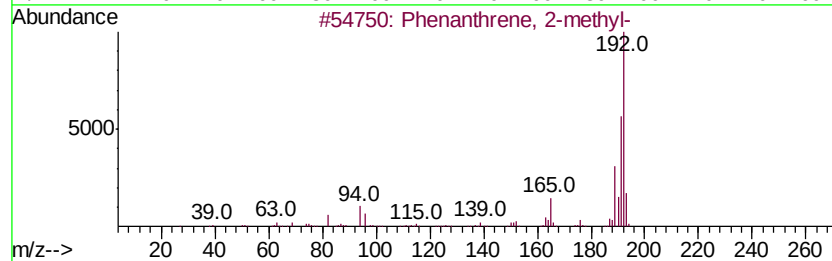
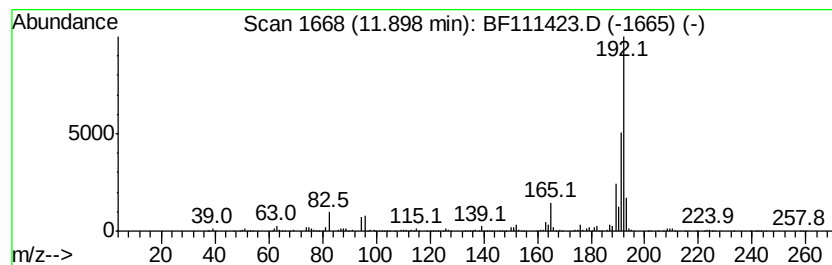
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	30.79 ng	1303310	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
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Sample : J6319-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

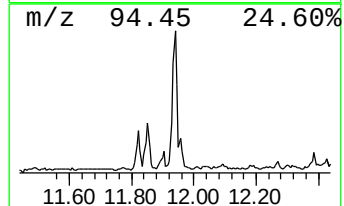
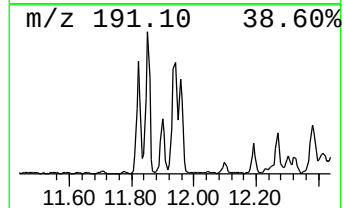
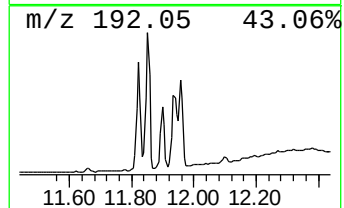
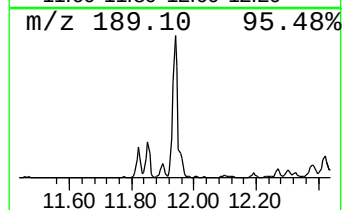
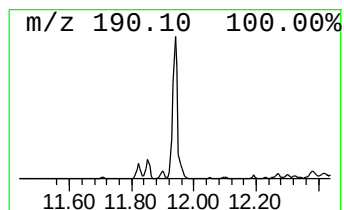
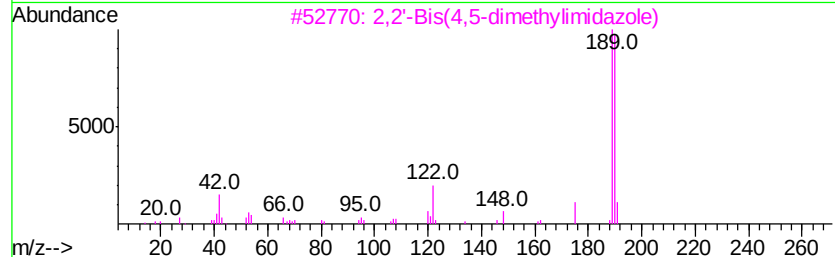
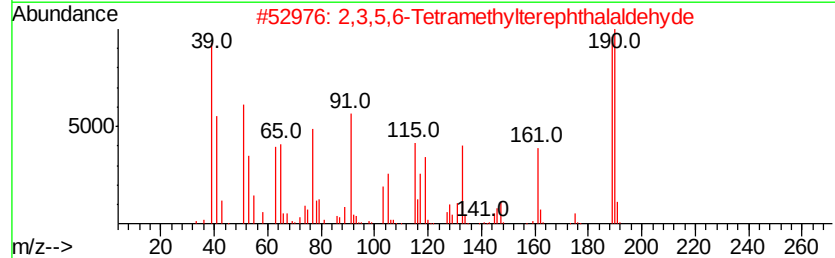
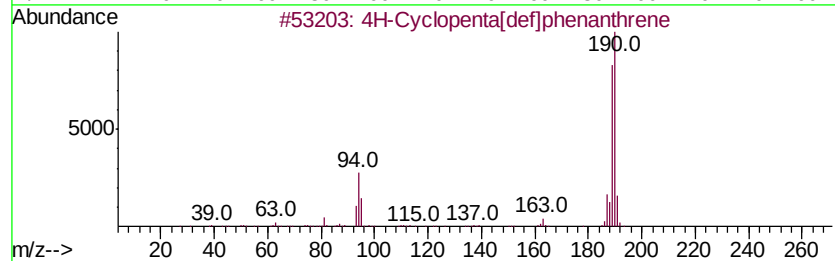
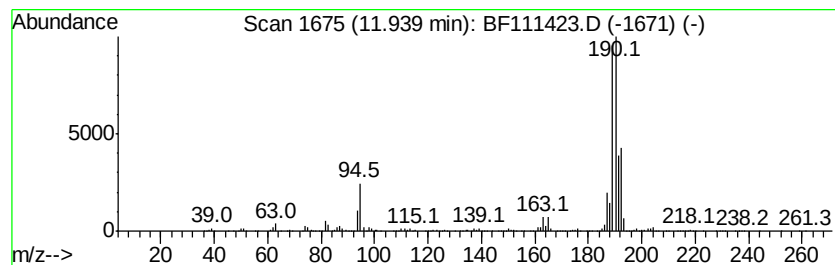
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.94	131.73 ng	5576530	Phenanthrene-d10	11.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5		Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4O2S	038362-25-3	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
Operator : JU/SJ
Sample : J6319-10
Misc :
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Instrument :
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ClientSampleId :
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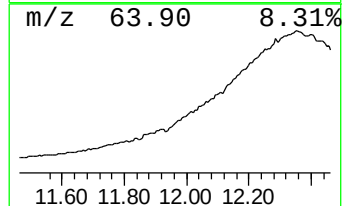
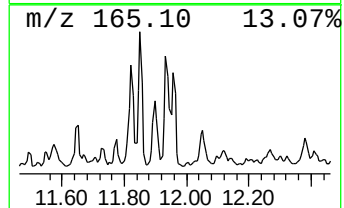
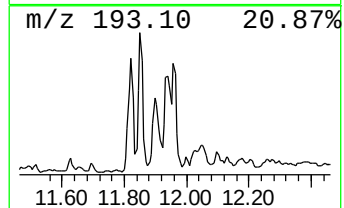
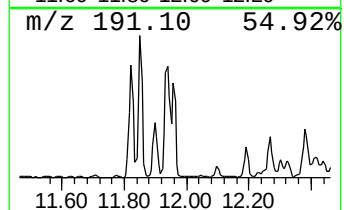
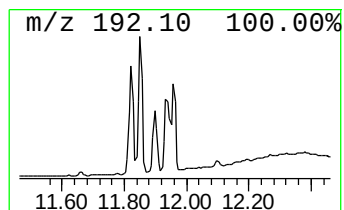
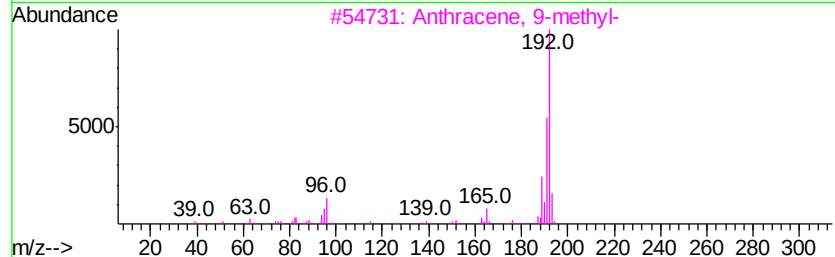
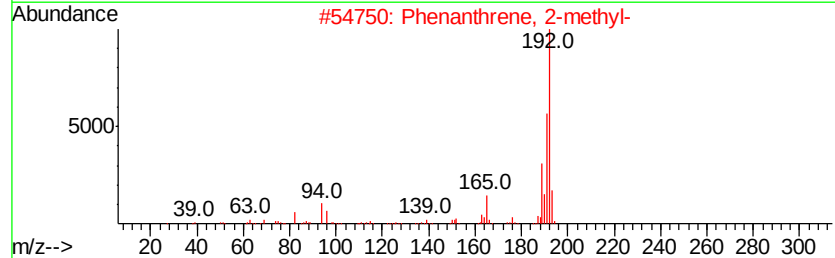
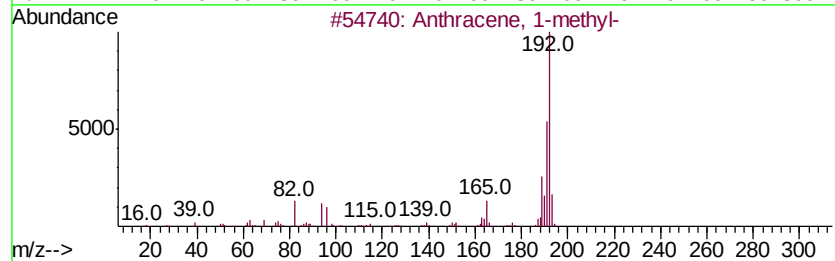
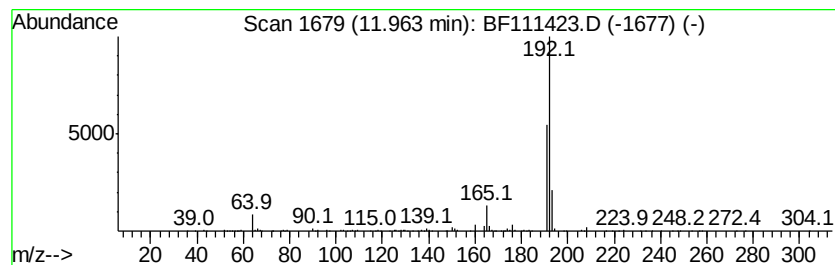
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	31.21 ng	1321040	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
Operator : JU/SJ
Sample : J6319-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

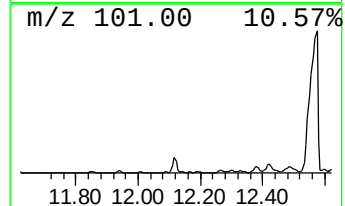
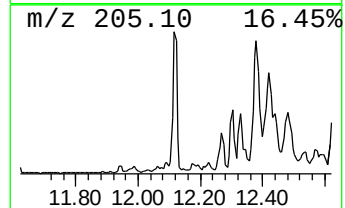
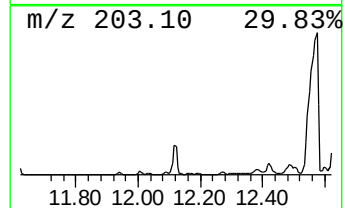
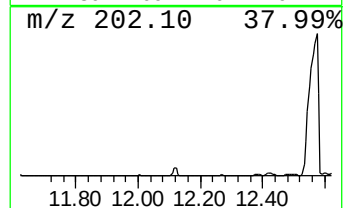
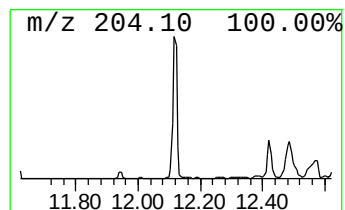
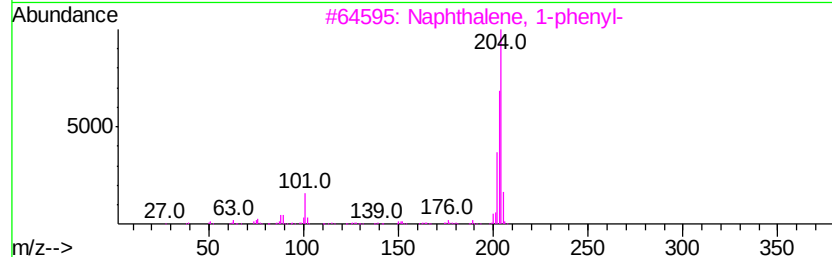
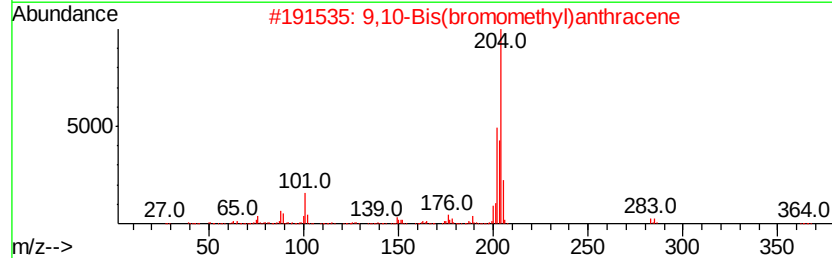
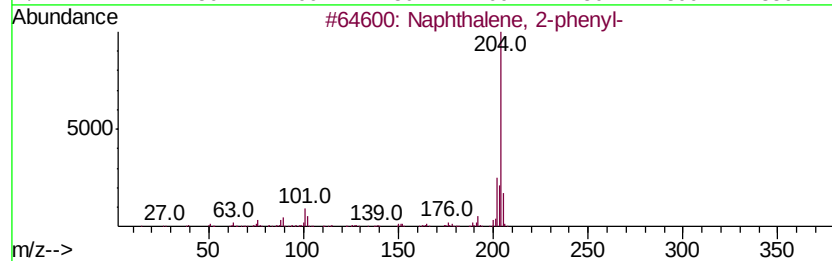
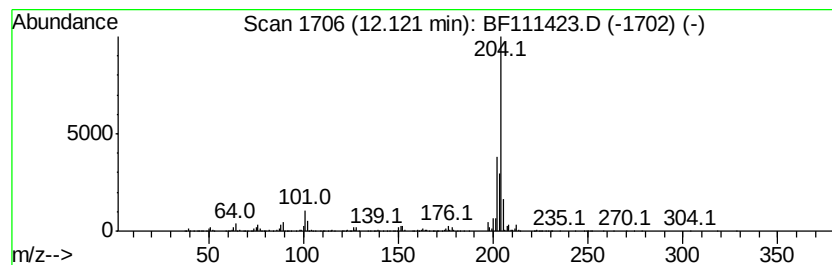
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	35.47 ng	1501600	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4		5,16[1',2'l:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
Operator : JU/SJ
Sample : J6319-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
064_SW-E-2

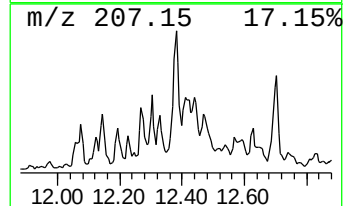
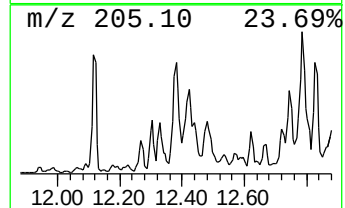
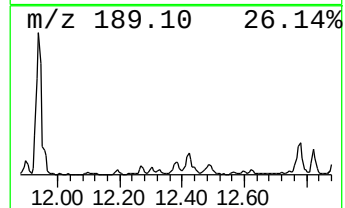
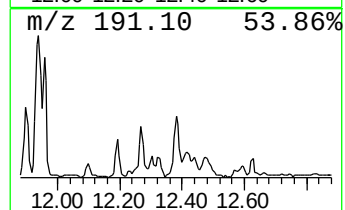
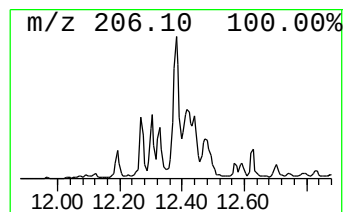
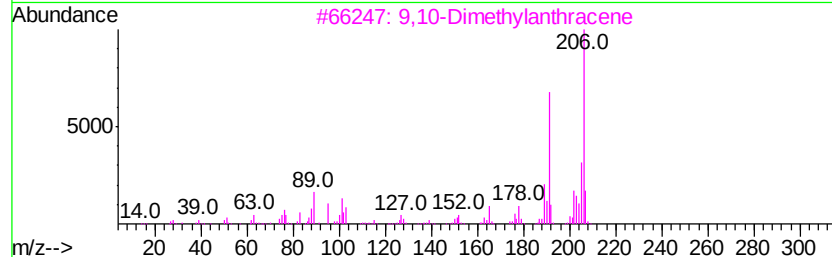
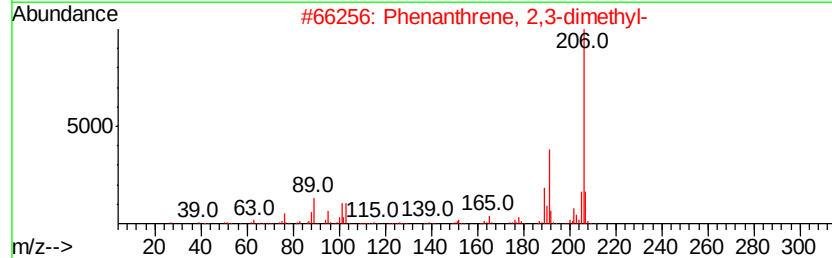
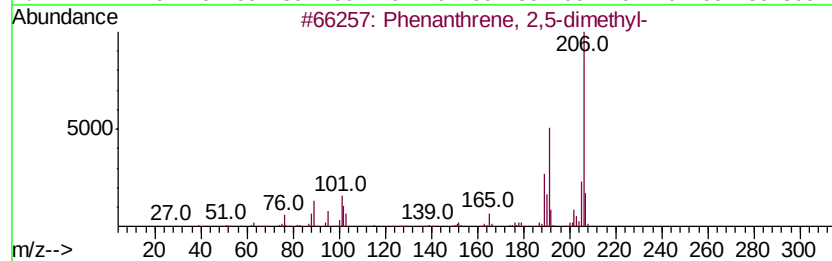
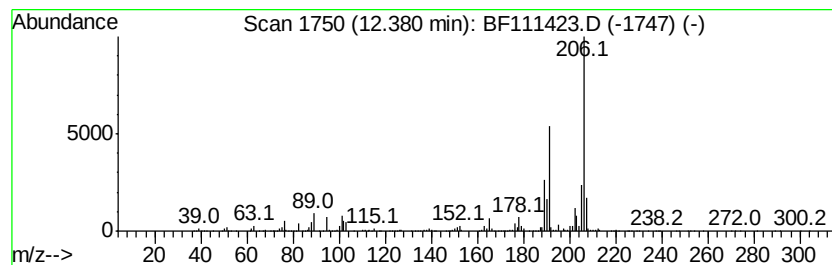
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	33.88 ng	1434370	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
Data File : BF111423.D
Acq On : 14 Dec 2018 17:17
Operator : JU/SJ
Sample : J6319-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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
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unknown6.05	6.05	19.1	ng	1250800	1	6.79	1307170	20.0
unknown6.57	6.57	74.5	ng	4872620	1	6.79	1307170	20.0
Benzene, 1-propenyl-	6.98	24.0	ng	1566160	1	6.79	1307170	20.0
Benzene, 1,2-diet...	7.05	26.0	ng	1701310	1	6.79	1307170	20.0
Benzene, 1,3-diet...	7.12	26.9	ng	1755170	1	6.79	1307170	20.0
9H-Fluorene, 2-me...	10.92	31.7	ng	1341530	4	11.32	846645	20.0
Anthracene, 1,2,3...	11.17	37.2	ng	1573300	4	11.32	846645	20.0
Anthracene, 2-met...	11.82	52.7	ng	2230660	4	11.32	846645	20.0
Anthracene, 1-met...	11.85	73.3	ng	3104400	4	11.32	846645	20.0
Phenanthrene, 2-m...	11.90	30.8	ng	1303310	4	11.32	846645	20.0
4H-Cyclopenta[def...	11.94	131.7	ng	5576530	4	11.32	846645	20.0
Anthracene, 9-met...	11.96	31.2	ng	1321040	4	11.32	846645	20.0
Naphthalene, 2-ph...	12.12	35.5	ng	1501600	4	11.32	846645	20.0
Phenanthrene, 2,5...	12.38	33.9	ng	1434370	4	11.32	846645	20.0