

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
 Data File : BF114509.D
 Acq On : 23 May 2019 2:59
 Operator : JU/SJ
 Sample : K2978-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-SOIL

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-BF051019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.457	570	573	593	rVB	753734	1016365	12.87%	0.994%
2	5.663	602	608	620	rBV2	540237	839322	10.63%	0.821%
3	6.475	743	746	755	rBV	800021	1077314	13.64%	1.053%
4	6.604	765	768	774	rBV	1160411	1051531	13.31%	1.028%
5	6.663	774	778	783	rVV2	484206	589962	7.47%	0.577%
6	6.704	783	785	791	rVB	205874	213453	2.70%	0.209%
7	6.828	803	806	813	rBV	1357127	1151664	14.58%	1.126%
8	6.986	829	833	843	rVB	913626	866377	10.97%	0.847%
9	7.092	847	851	858	rBV	441091	587162	7.43%	0.574%
10	7.392	899	902	908	rBV	595815	641846	8.13%	0.628%
11	7.680	949	951	958	rVB	541221	575532	7.29%	0.563%
12	7.863	977	982	985	rBV3	115748	148146	1.88%	0.145%
13	8.110	1021	1024	1027	rBV	1727995	1515012	19.18%	1.481%
14	8.133	1027	1028	1036	rVB2	416931	296722	3.76%	0.290%
15	8.328	1055	1061	1064	rBV	246246	231618	2.93%	0.226%
16	8.386	1068	1071	1081	rVB2	287905	336312	4.26%	0.329%
17	8.822	1141	1145	1153	rVB2	173459	246565	3.12%	0.241%
18	8.922	1160	1162	1169	rVB	141851	162076	2.05%	0.158%
19	9.180	1200	1206	1212	rBV	1374177	1442307	18.26%	1.410%
20	9.592	1271	1276	1280	rBV2	301677	391440	4.96%	0.383%
21	9.727	1290	1299	1305	rBV	1289763	1307751	16.56%	1.279%
22	9.869	1319	1323	1326	rVV	1752918	1626308	20.59%	1.590%
23	10.180	1372	1376	1378	rBV2	116625	128308	1.62%	0.125%
24	10.416	1413	1416	1422	rVB2	152466	211973	2.68%	0.207%
25	10.657	1454	1457	1463	rVB	705373	684963	8.67%	0.670%
26	10.786	1473	1479	1483	rBV4	187471	281245	3.56%	0.275%
27	10.963	1506	1509	1512	rVB2	104394	129191	1.64%	0.126%
28	11.086	1528	1530	1533	rVV2	132905	150012	1.90%	0.147%
29	11.116	1533	1535	1536	rVV2	141175	126413	1.60%	0.124%
30	11.163	1540	1543	1547	rVV	195839	222309	2.81%	0.217%
31	11.204	1547	1550	1553	rVV2	150106	196744	2.49%	0.192%
32	11.251	1555	1558	1563	rVB2	156582	179326	2.27%	0.175%
33	11.351	1572	1575	1577	rBV	1564692	1518083	19.22%	1.484%
34	11.380	1577	1580	1583	rVV	1856228	1682097	21.29%	1.645%

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35	11.427	1585	1588	1591	rVV	1017421	911523	11.54%	0.891%
36	11.586	1612	1615	1621	rBV3	132770	293435	3.71%	0.287%
37	11.639	1621	1624	1627	rVV2	250228	290670	3.68%	0.284%
38	11.768	1644	1646	1651	rVB3	132717	130677	1.65%	0.128%
39	11.857	1657	1661	1663	rBV	492340	480274	6.08%	0.470%
40	11.886	1663	1666	1669	rVB	718178	662400	8.39%	0.648%
41	11.933	1670	1674	1676	rBV	358697	333407	4.22%	0.326%
42	11.968	1676	1680	1682	rVV	1021695	1074882	13.61%	1.051%
43	11.986	1682	1683	1689	rVB	399253	338856	4.29%	0.331%
44	12.145	1707	1710	1714	rBV	484647	440241	5.57%	0.430%
45	12.186	1714	1717	1721	rVB2	338205	302463	3.83%	0.296%
46	12.333	1739	1742	1744	rVB	191596	155849	1.97%	0.152%
47	12.404	1751	1754	1757	rBV	611028	628985	7.96%	0.615%
48	12.445	1757	1761	1763	rVV3	364692	498864	6.32%	0.488%
49	12.504	1767	1771	1774	rVB2	728945	758071	9.60%	0.741%
50	12.580	1778	1784	1787	rBV	5574752	6140858	77.74%	6.005%
51	12.633	1791	1793	1796	rBV	183592	142293	1.80%	0.139%
52	12.668	1796	1799	1802	rBV	887608	786548	9.96%	0.769%
53	12.721	1804	1808	1810	rVV2	283801	314401	3.98%	0.307%
54	12.745	1810	1812	1816	rVB	209457	225189	2.85%	0.220%
55	12.810	1816	1823	1826	rBV2	6058407	7864400	99.56%	7.690%
56	12.851	1826	1830	1834	rVB2	431800	495043	6.27%	0.484%
57	12.933	1838	1844	1846	rBV2	1137773	1276940	16.17%	1.249%
58	12.962	1846	1849	1852	rVB	396642	414719	5.25%	0.406%
59	13.021	1853	1859	1863	rBV2	703354	1190821	15.08%	1.164%
60	13.110	1870	1874	1875	rBV3	642288	847487	10.73%	0.829%
61	13.127	1875	1877	1880	rVB	1110753	980104	12.41%	0.958%
62	13.192	1886	1888	1891	rBV	546746	468413	5.93%	0.458%
63	13.233	1891	1895	1899	rVV2	1037109	1146583	14.52%	1.121%
64	13.286	1902	1904	1907	rBV3	165921	165421	2.09%	0.162%
65	13.327	1908	1911	1913	rVV	702940	627247	7.94%	0.613%
66	13.357	1913	1916	1925	rVB2	760855	814933	10.32%	0.797%
67	13.504	1938	1941	1943	rBV2	155711	151240	1.91%	0.148%
68	13.645	1962	1965	1971	rVB	827558	849497	10.75%	0.831%
69	13.698	1972	1974	1977	rBV	140593	128394	1.63%	0.126%
70	13.751	1980	1983	1985	rVV	779263	807591	10.22%	0.790%
71	13.774	1985	1987	1989	rVV	980372	797605	10.10%	0.780%

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72	13.804	1989	1992	1998	rVV2	1153168	1400488	17.73%	1.369%
73	13.857	1998	2001	2006	rVB	705982	706430	8.94%	0.691%
74	13.998	2020	2025	2029	rBV2	4352789	7109384	90.00%	6.952%
75	14.033	2029	2031	2034	rVB	3672785	3453180	43.72%	3.377%
76	14.109	2042	2044	2047	rBV2	443452	384906	4.87%	0.376%
77	14.157	2049	2052	2057	rVV	858820	1033070	13.08%	1.010%
78	14.227	2061	2064	2067	rVB2	267219	375785	4.76%	0.367%
79	14.351	2083	2085	2087	rBV	334002	289566	3.67%	0.283%
80	14.386	2087	2091	2094	rVV	1074091	1111728	14.07%	1.087%
81	14.421	2095	2097	2099	rVB	418420	296027	3.75%	0.289%
82	14.462	2102	2104	2106	rVB2	349686	273502	3.46%	0.267%
83	14.486	2106	2108	2110	rVB2	235854	173627	2.20%	0.170%
84	14.515	2110	2113	2115	rBV	654600	662481	8.39%	0.648%
85	14.580	2121	2124	2127	rVB2	460526	458367	5.80%	0.448%
86	14.715	2144	2147	2155	rVB8	295912	615894	7.80%	0.602%
87	14.886	2173	2176	2180	rBV	526992	561264	7.11%	0.549%
88	15.062	2199	2206	2212	rBV	3453459	7899188	100.00%	7.724%
89	15.156	2219	2222	2226	rVB	1069475	1205255	15.26%	1.178%
90	15.356	2251	2256	2262	rVB	2473505	3466941	43.89%	3.390%
91	15.427	2262	2268	2273	rVV2	3207026	4817845	60.99%	4.711%
92	15.480	2273	2277	2279	rVV	888688	1089974	13.80%	1.066%
93	15.509	2279	2282	2288	rVB2	1004652	1383315	17.51%	1.353%
94	16.039	2369	2372	2377	rBV2	241779	310113	3.93%	0.303%
95	16.798	2497	2501	2505	rVB	158711	231064	2.93%	0.226%
96	16.968	2521	2530	2535	rBV2	1385592	2935298	37.16%	2.870%
97	17.121	2551	2556	2561	rBV	285440	545598	6.91%	0.533%
98	17.180	2562	2566	2573	rVB3	198841	397028	5.03%	0.388%
99	17.415	2598	2606	2616	rVB	1233903	2707136	34.27%	2.647%
100	17.650	2641	2646	2658	rVB	260369	614425	7.78%	0.601%

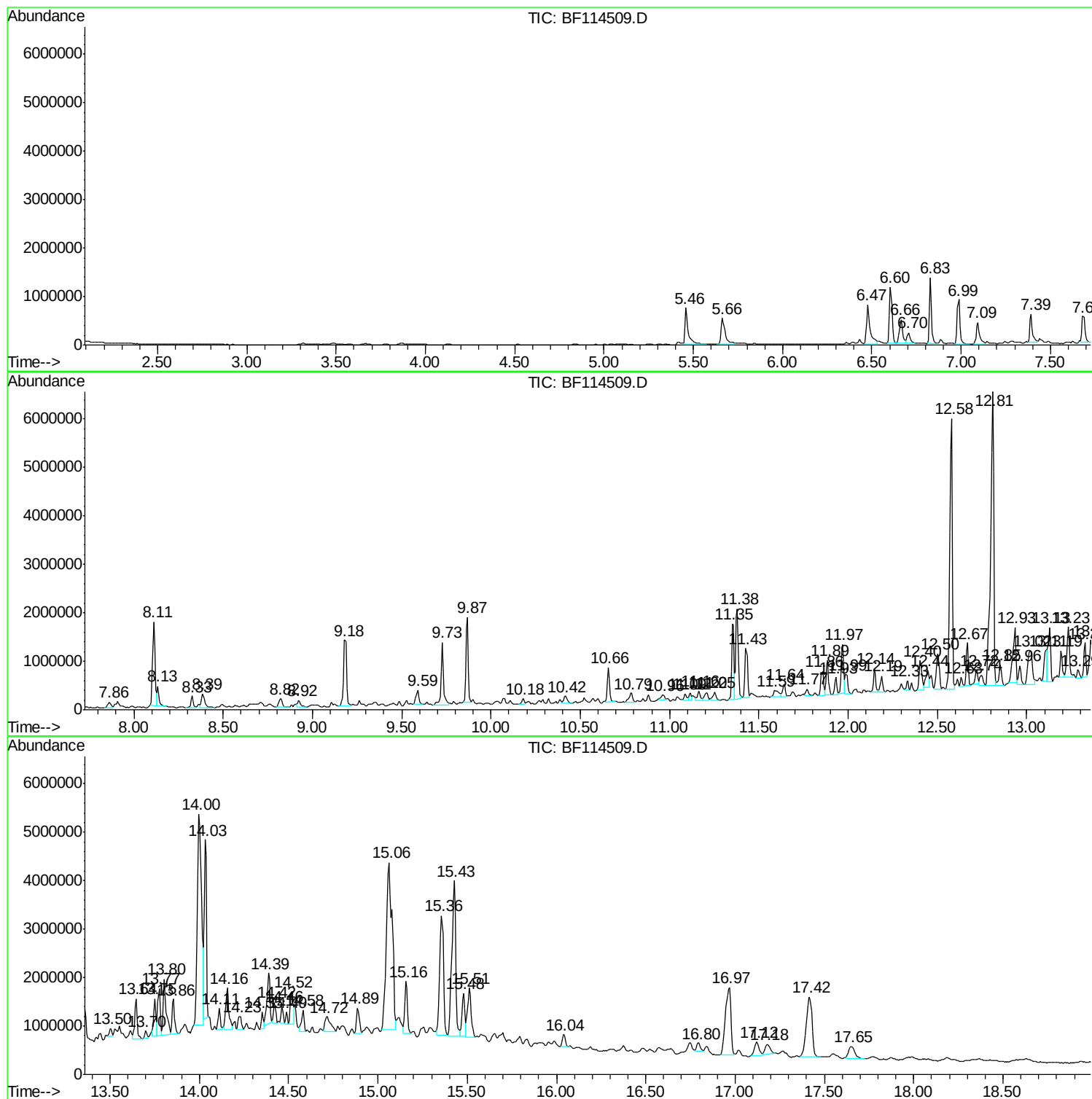
Sum of corrected areas: 102270652

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Instrument :
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ClientSampleId :
RO-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.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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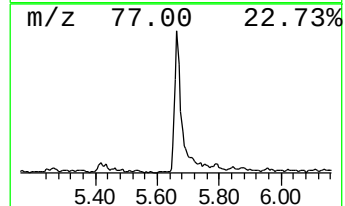
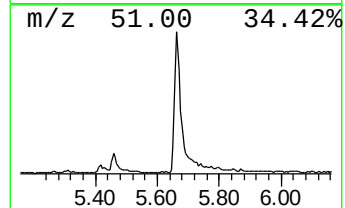
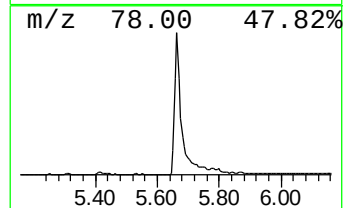
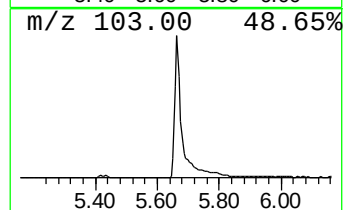
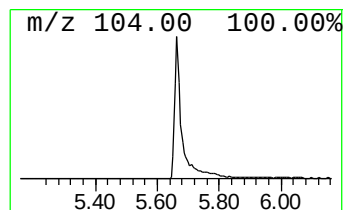
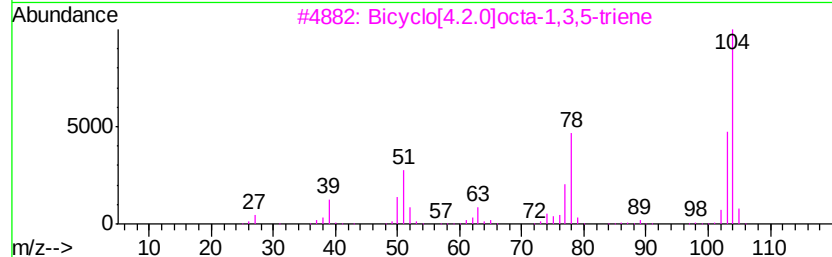
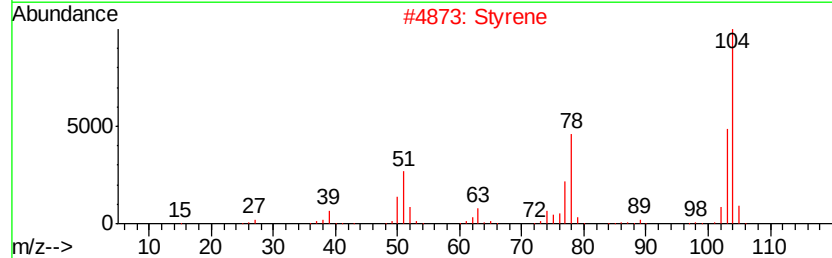
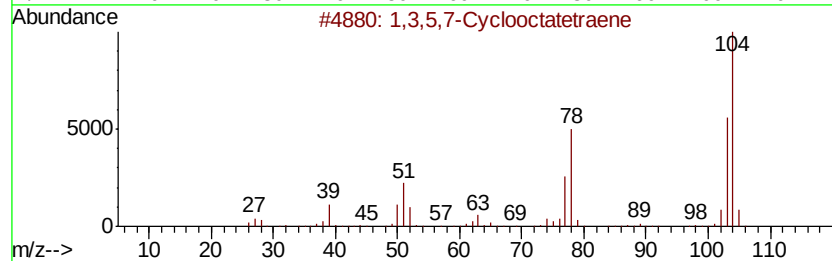
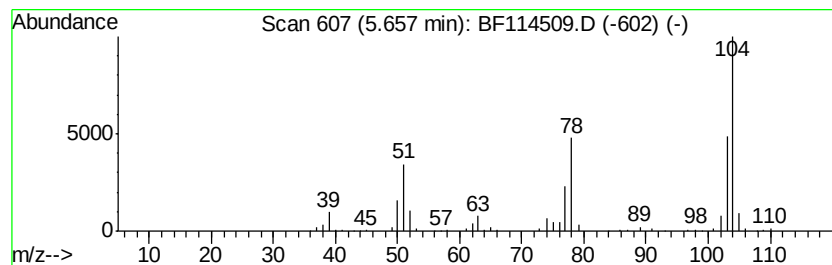
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 1,3,5,7-Cyclooctatetraene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	14.58 ng	839322	1,4-Dichlorobenzene-d4	6.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2			Styrene	104	C8H8	000100-42-5	96
3			Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
4			Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	64
5			Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	45



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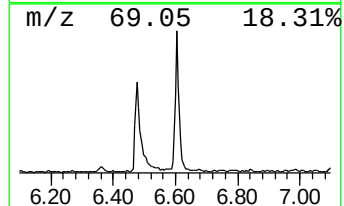
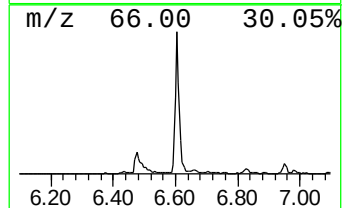
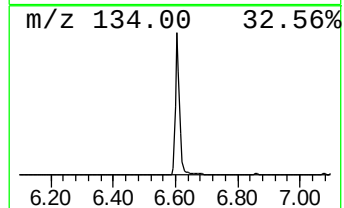
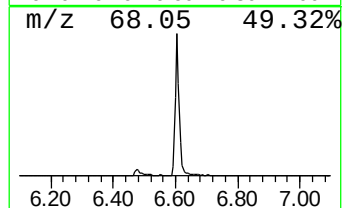
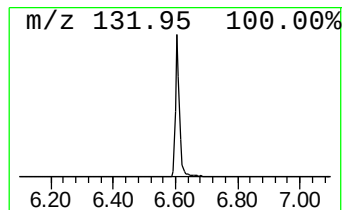
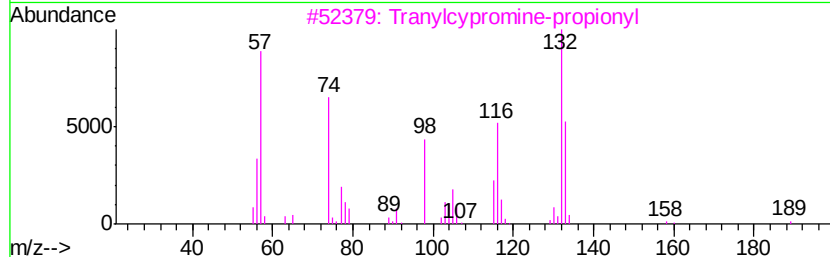
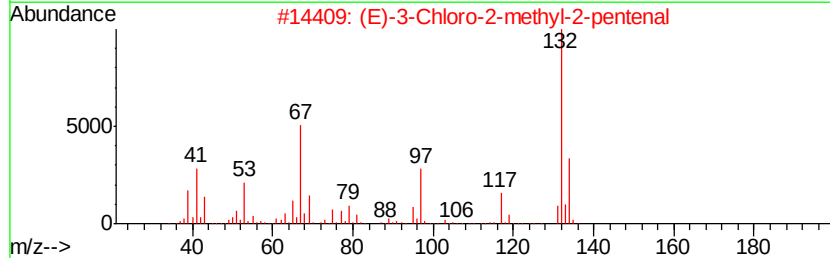
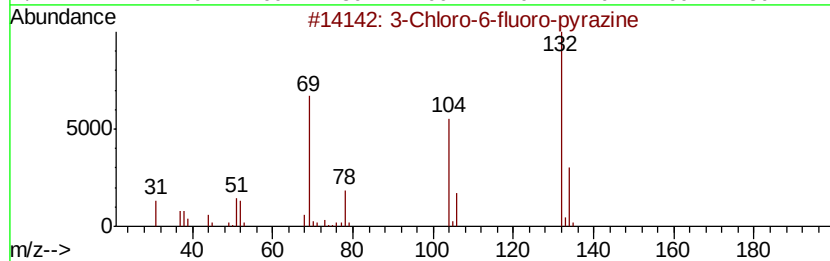
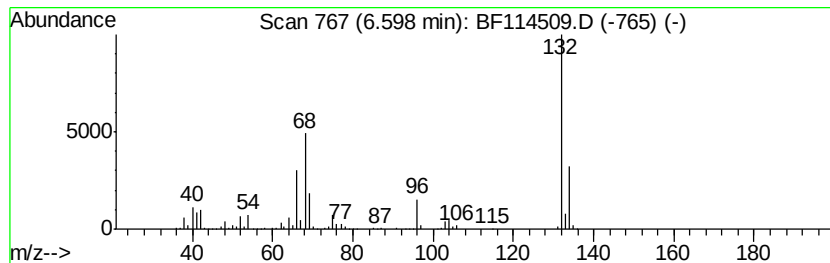
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.60 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	18.26 ng	1051530	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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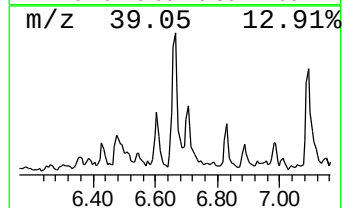
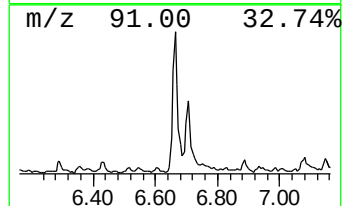
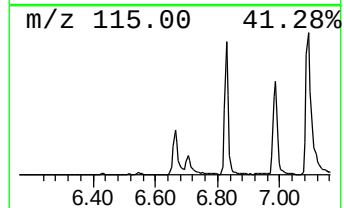
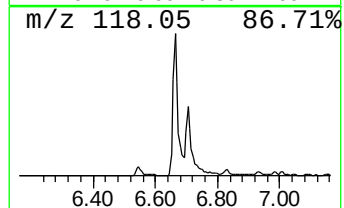
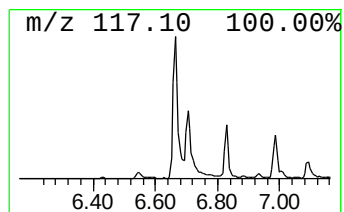
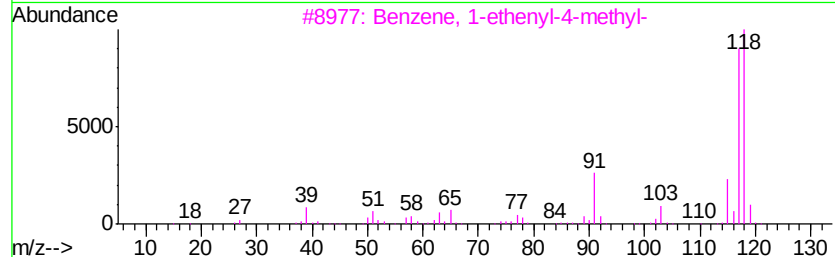
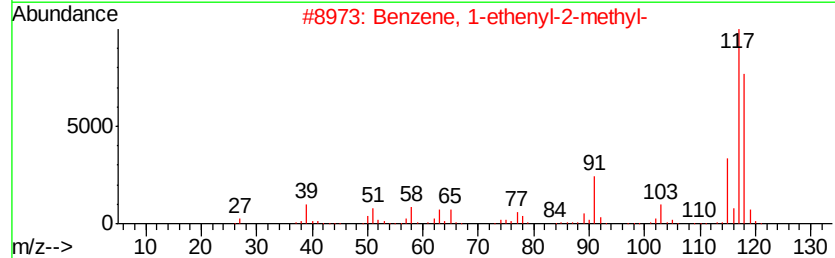
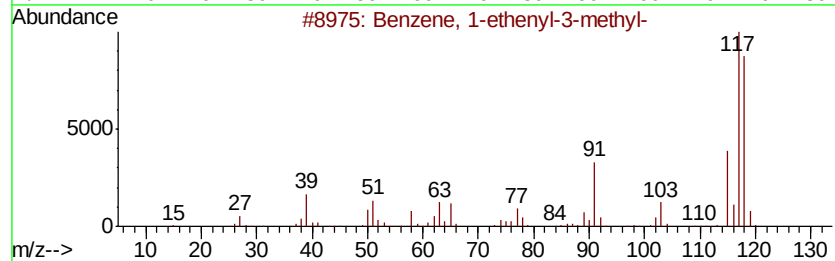
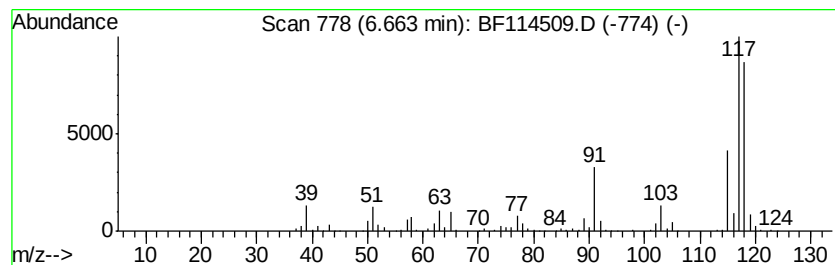
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
6.66	10.25 ng	589962	1,4-Dichlorobenzene-d4	6.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114509.D
Acq On : 23 May 2019 2:59
Operator : JU/SJ
Sample : K2978-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RO-SOIL

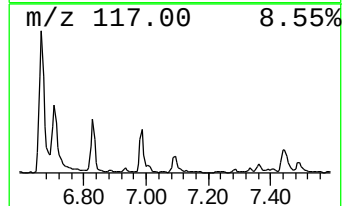
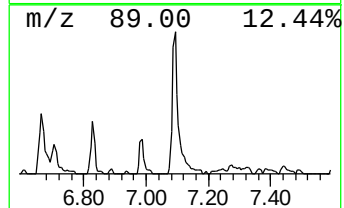
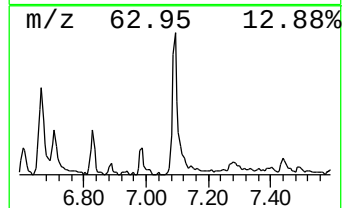
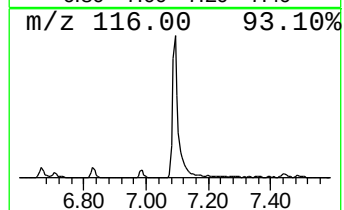
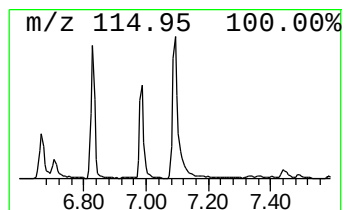
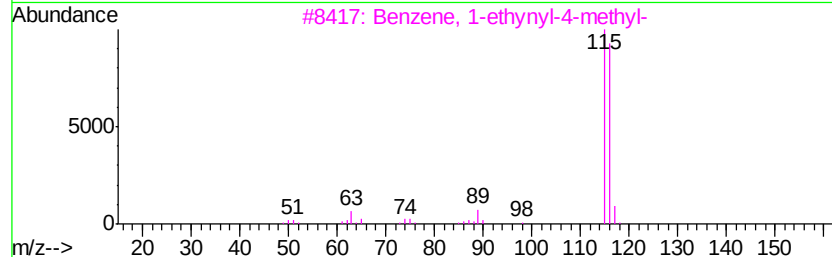
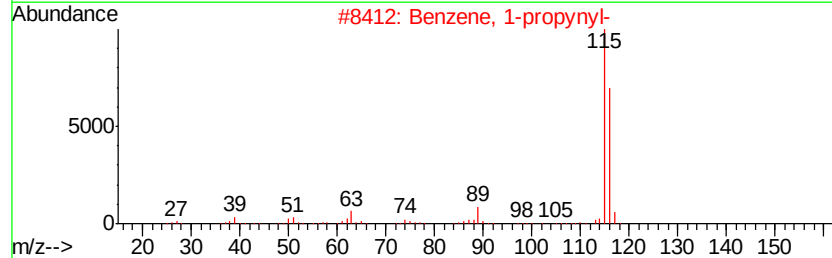
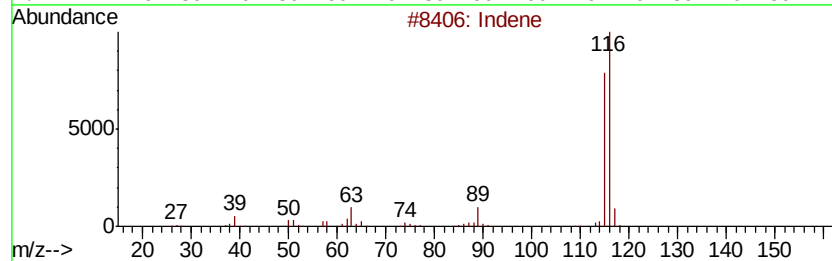
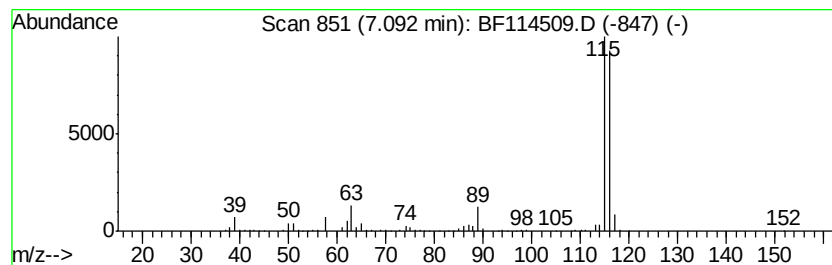
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	10.20 ng	587162	1,4-Dichlorobenzene-d4	6.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-		116	C9H8	000673-32-5	94
3	Benzene, 1-ethynyl-4-methyl-		116	C9H8	000766-97-2	91
4	3-Methylphenylacetylene		116	C9H8	000766-82-5	91
5	2-Methylphenylacetylene		116	C9H8	000766-47-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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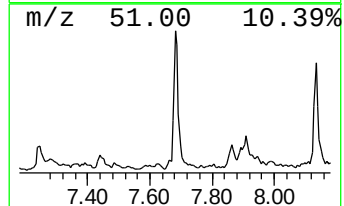
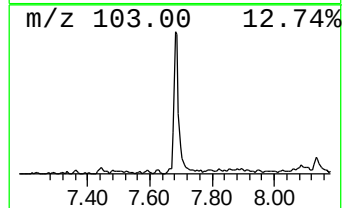
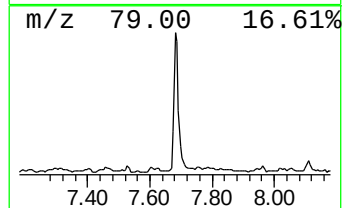
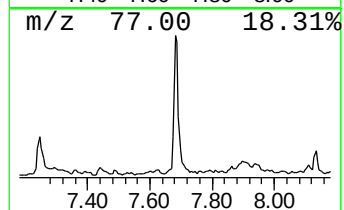
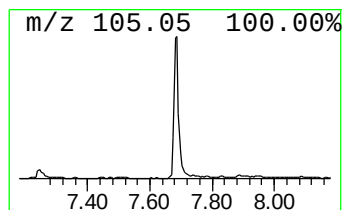
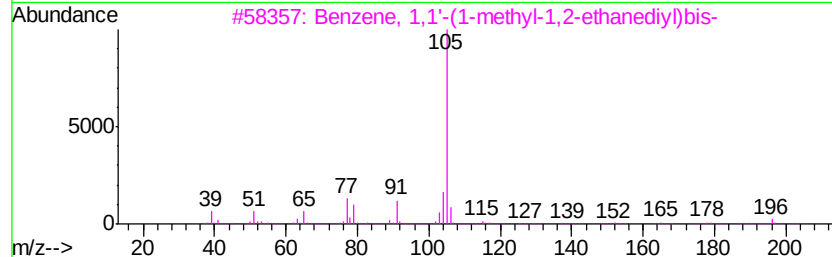
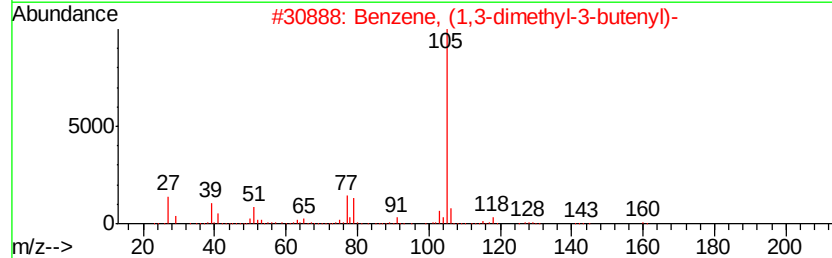
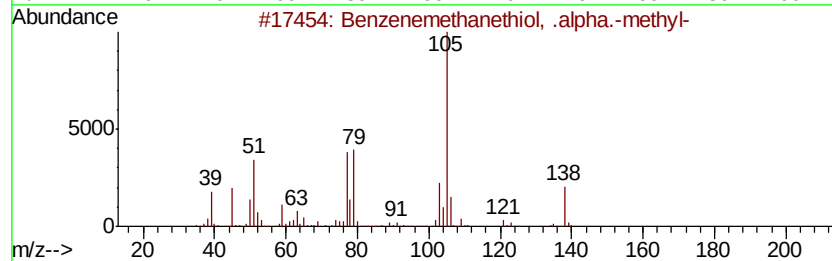
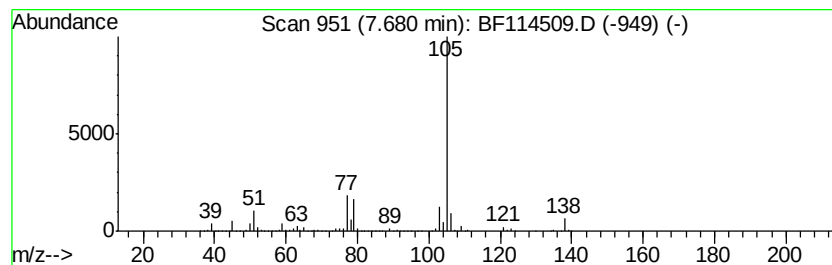
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzenemethanethiol, .alpha... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	7.60 ng	575532	Napthalene-d8	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	86
2		Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72
3		Benzene, 1,1'-(1-methyl-1,2-etha...	196	C15H16	005814-85-7	64
4		Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	64
5		Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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Misc :
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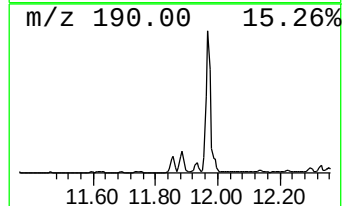
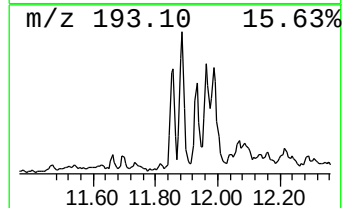
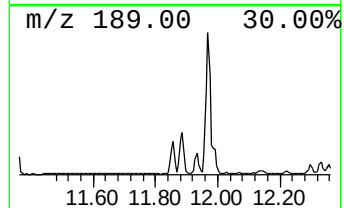
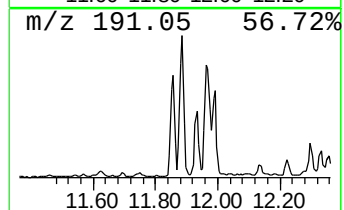
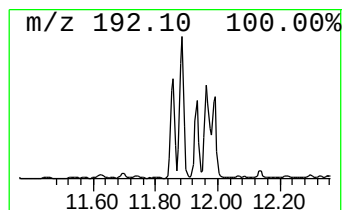
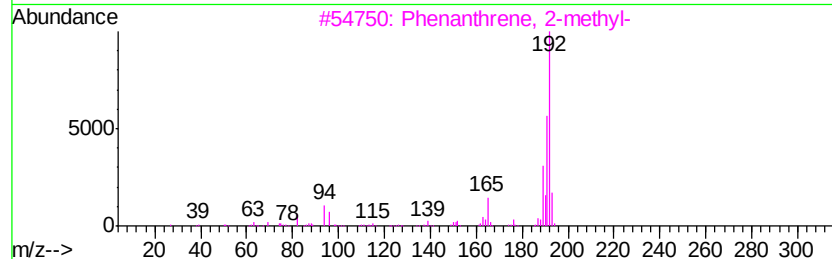
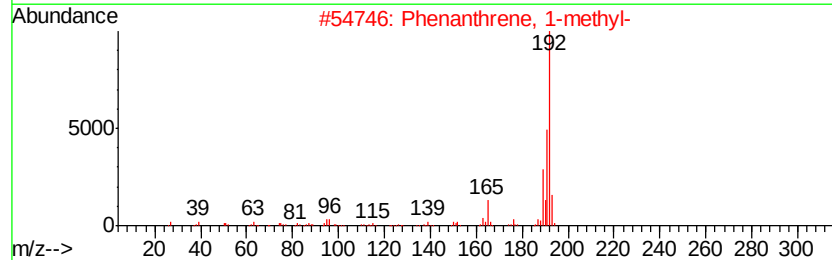
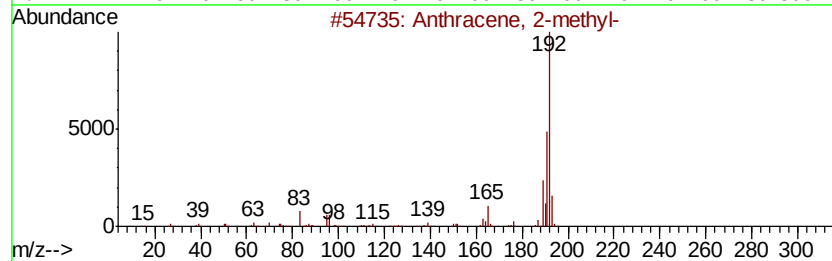
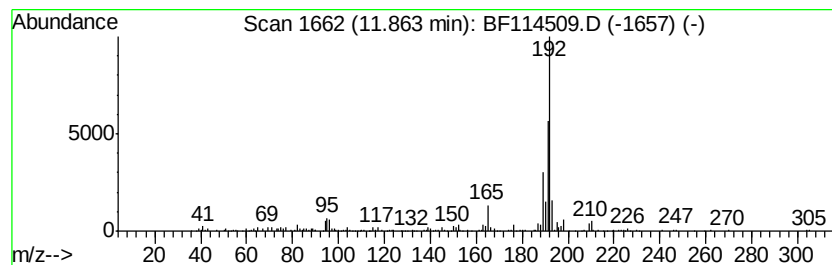
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.33 ng	480274	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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Sample : K2978-01 2X
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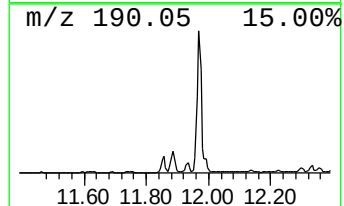
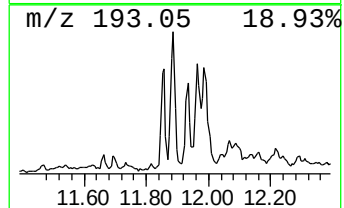
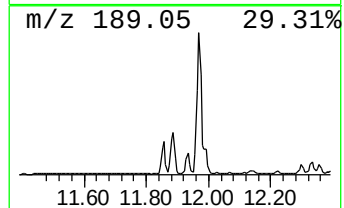
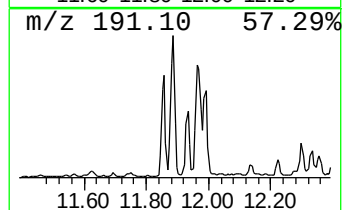
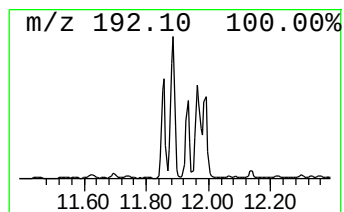
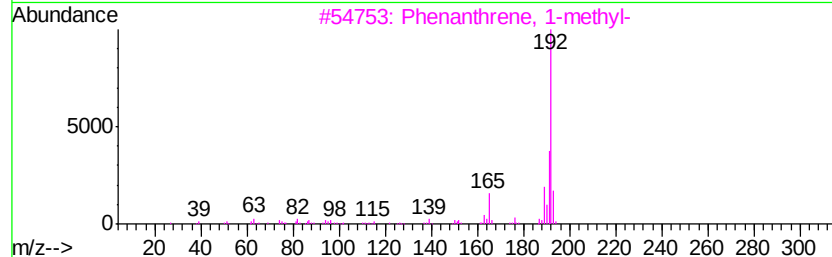
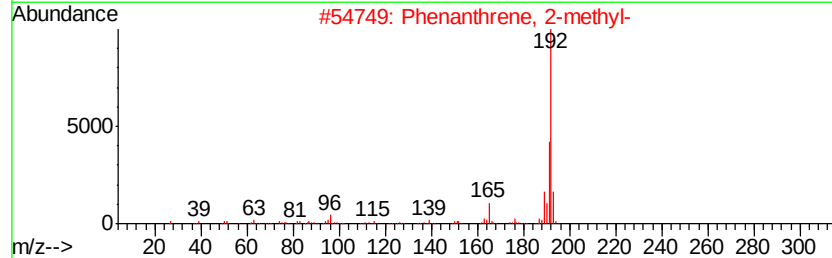
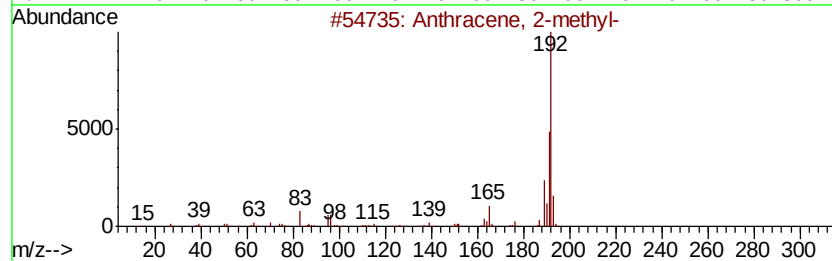
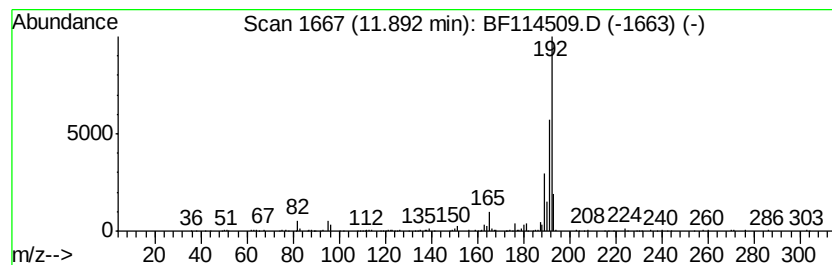
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.89	8.73 ng	662400	Phenanthrene-d10		11.35
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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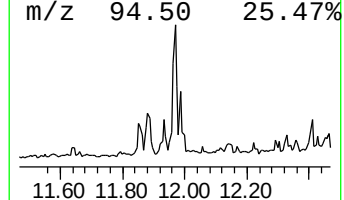
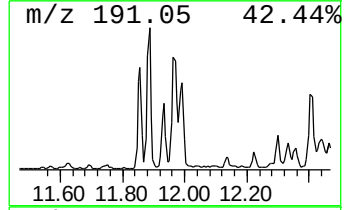
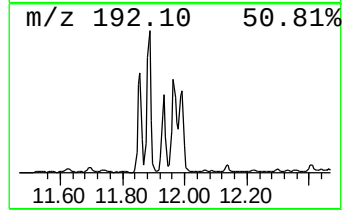
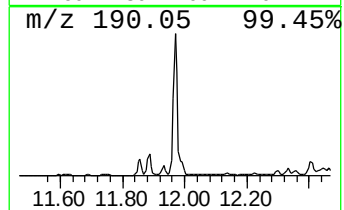
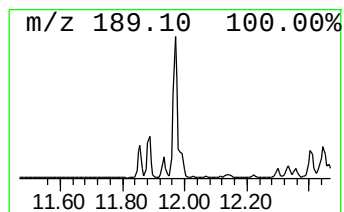
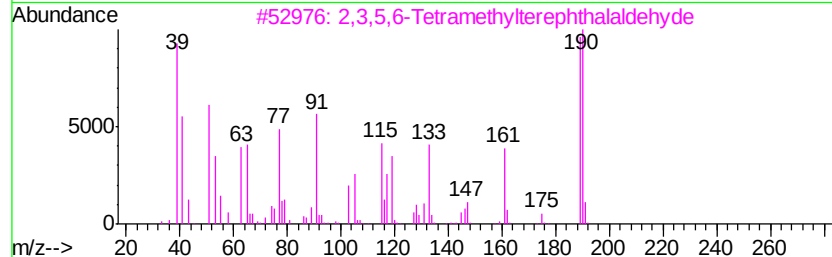
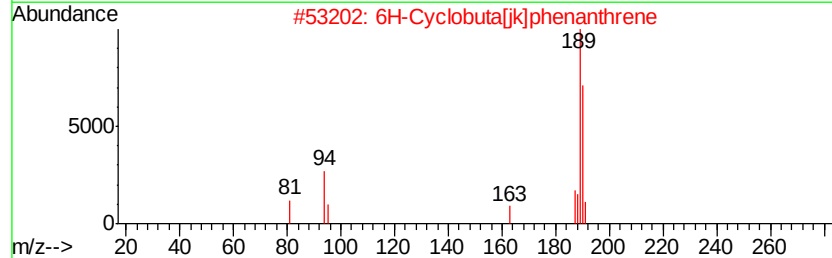
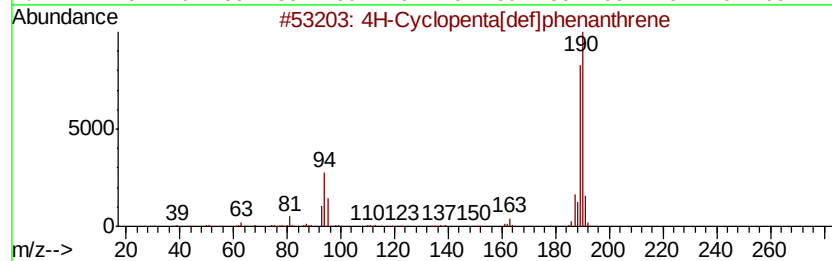
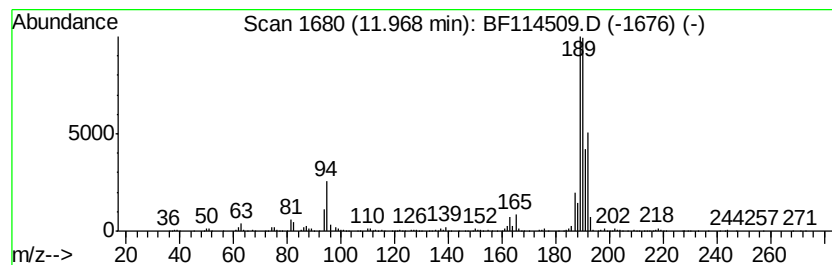
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.97	14.16 ng	1074880	Phenanthrene-d10	11.35	
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	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	15
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	14



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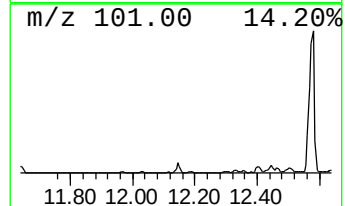
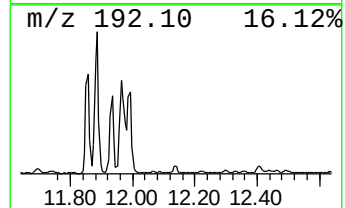
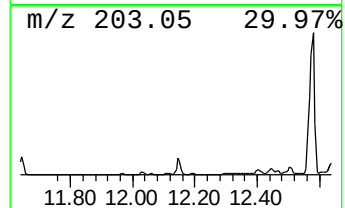
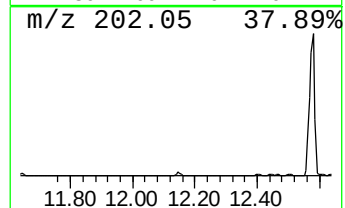
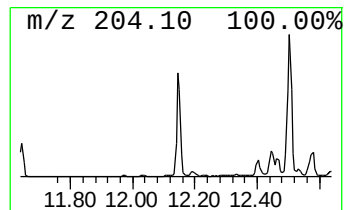
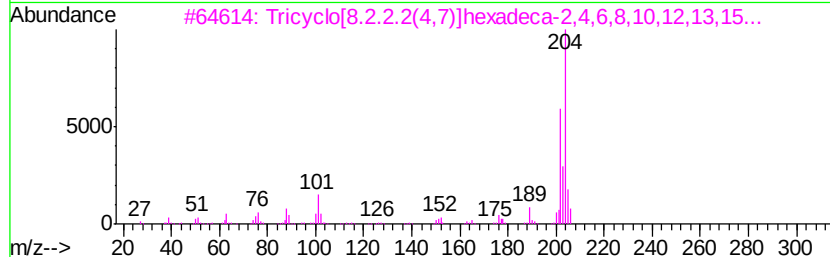
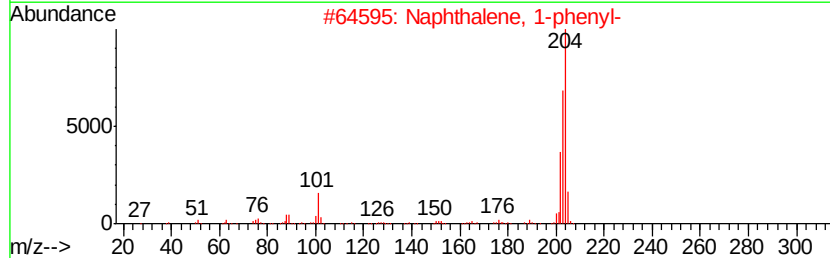
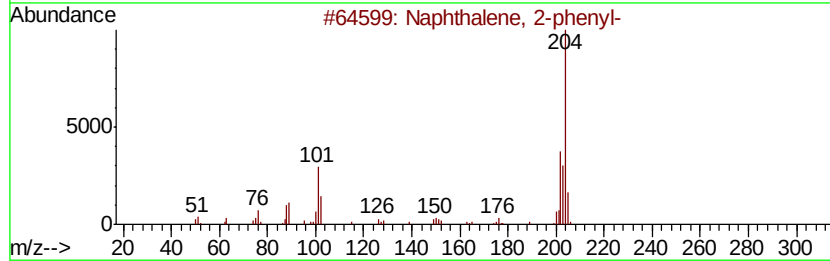
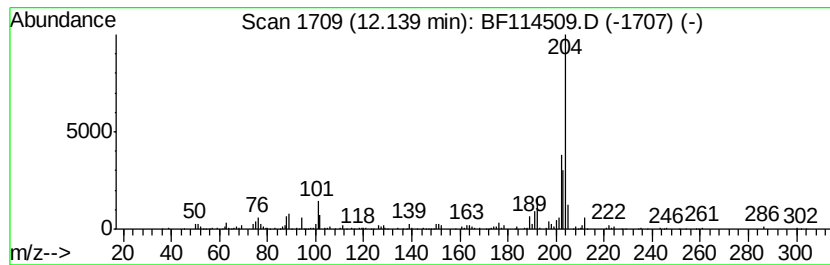
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.14	5.80 ng	440241	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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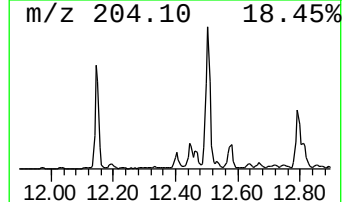
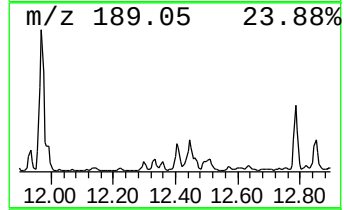
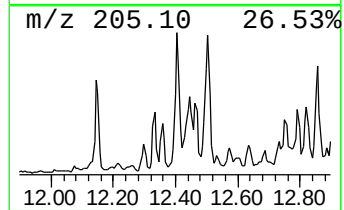
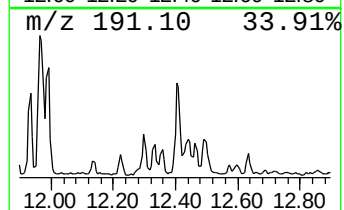
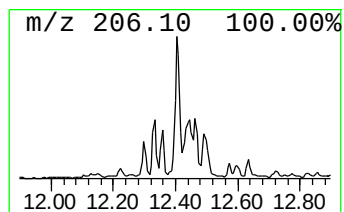
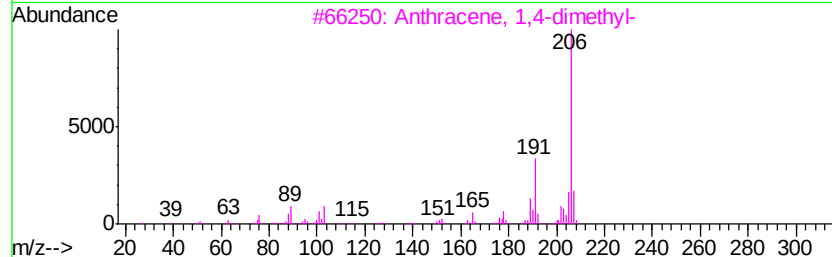
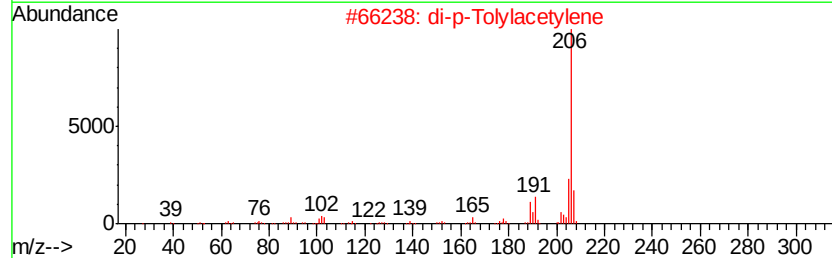
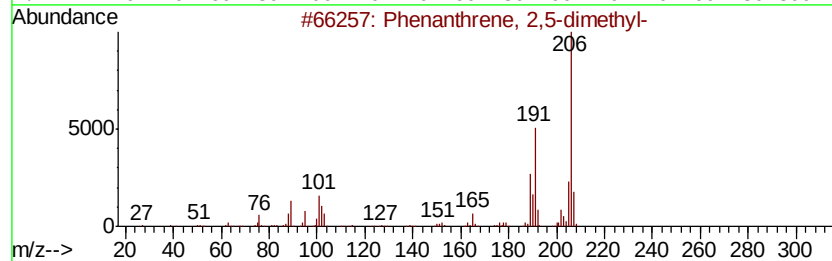
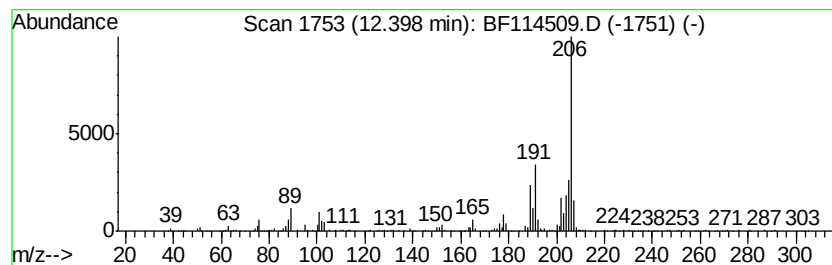
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.40	8.29 ng	628985	Phenanthrene-d10		11.35
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114509.D
Acq On : 23 May 2019 2:59
Operator : JU/SJ
Sample : K2978-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

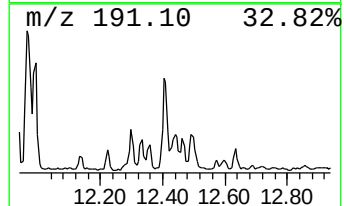
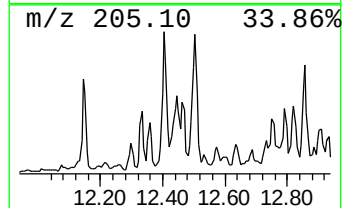
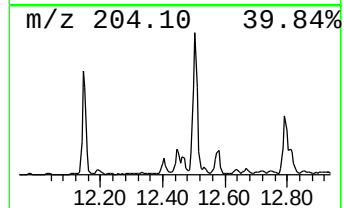
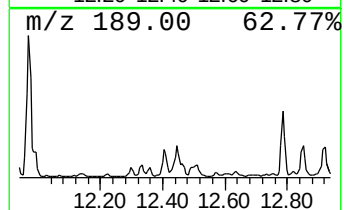
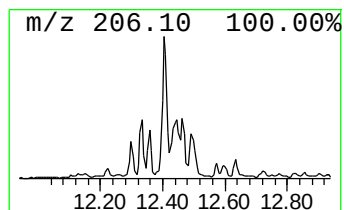
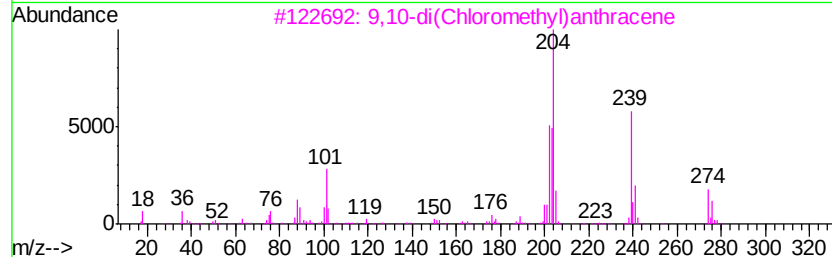
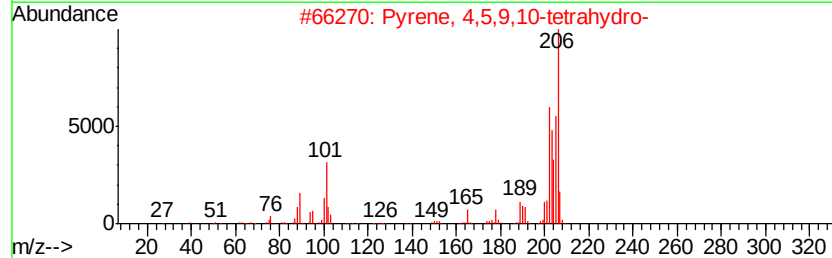
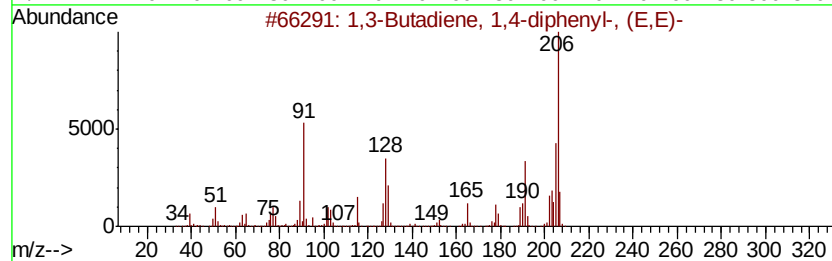
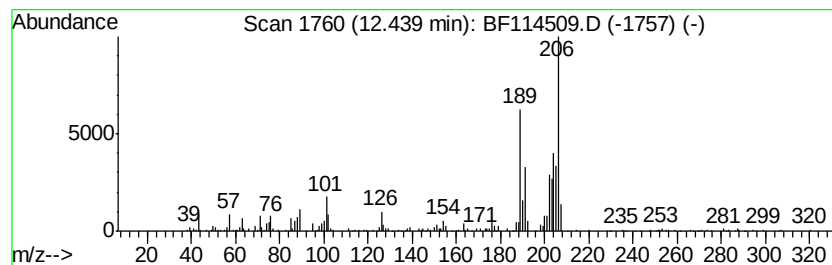
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.44 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.44	6.57 ng	498864	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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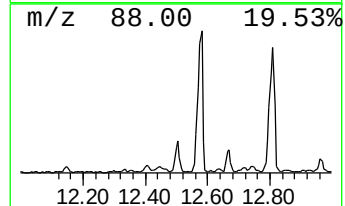
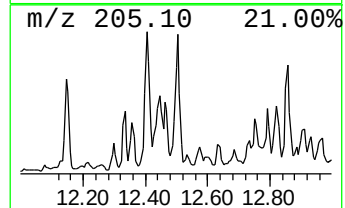
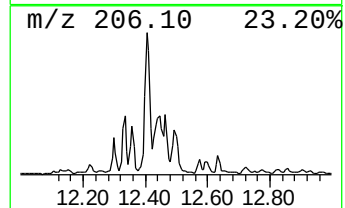
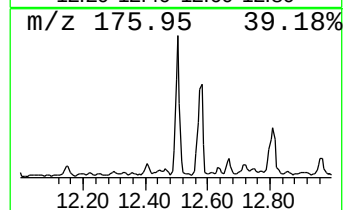
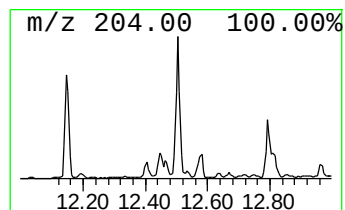
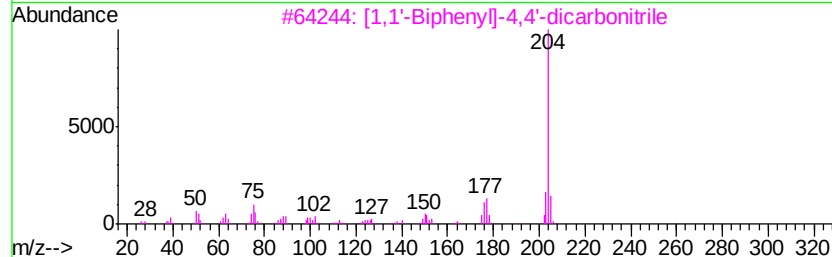
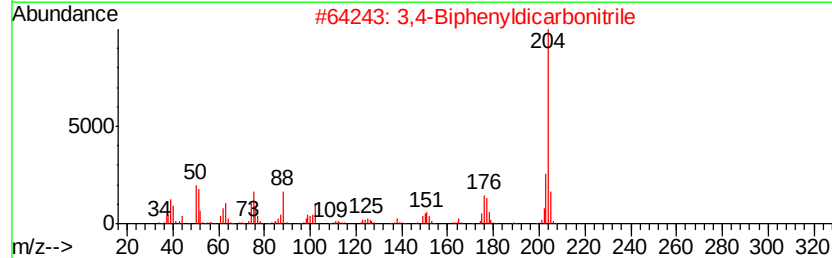
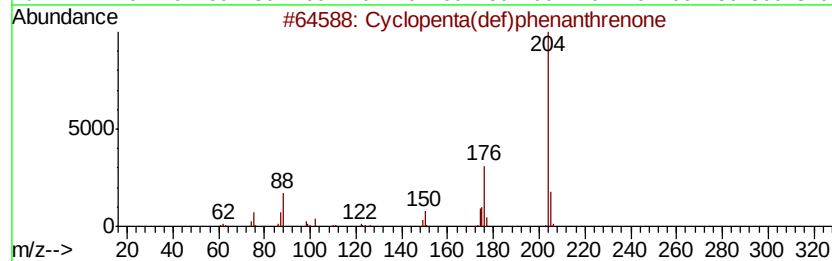
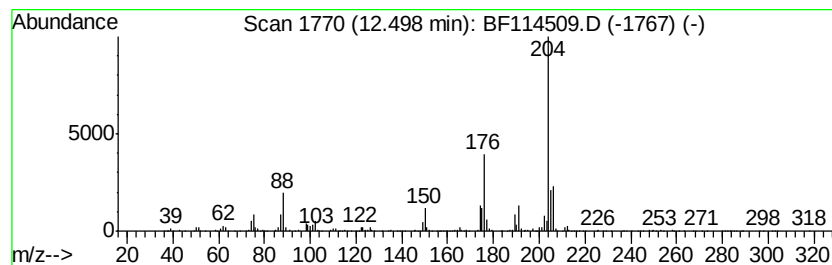
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	9.99 ng	758071	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114509.D
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Misc :
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ClientSampled :
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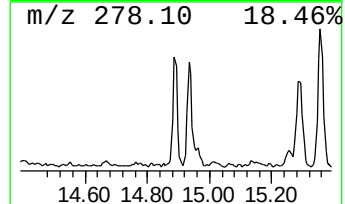
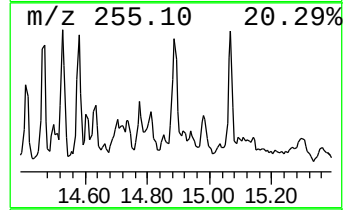
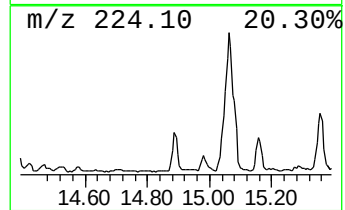
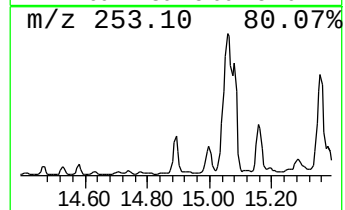
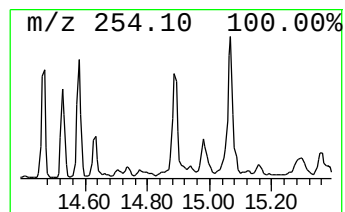
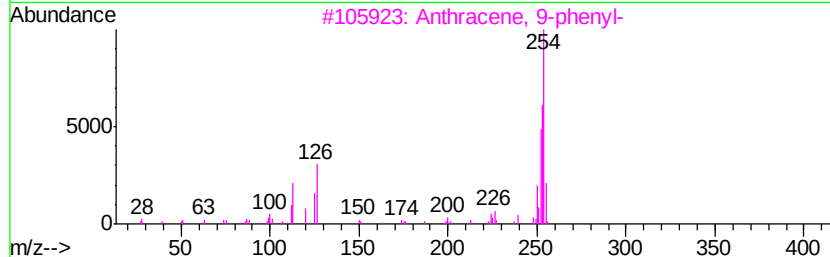
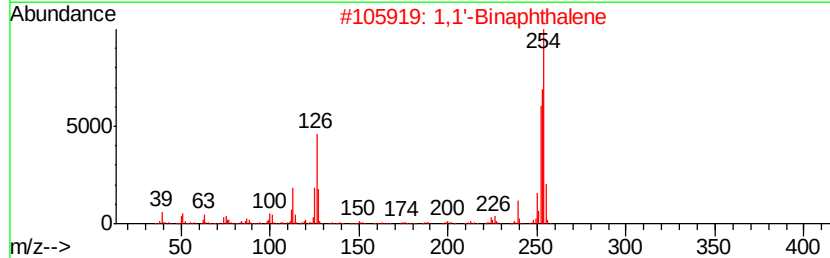
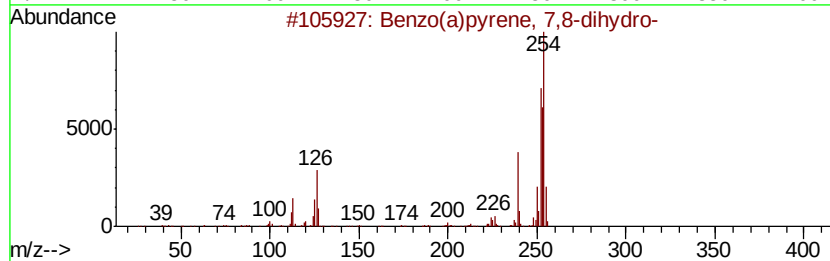
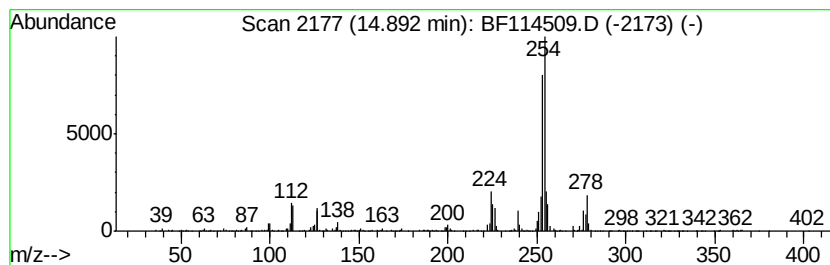
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo(a)pyrene, 7,8-dihydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	10.30 ng	561264	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	83
2		1,1'-Binaphthalene	254	C20H14	000604-53-5	64
3		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	62
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	58
5		Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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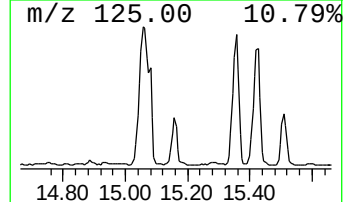
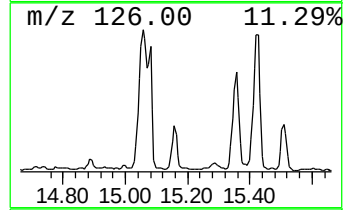
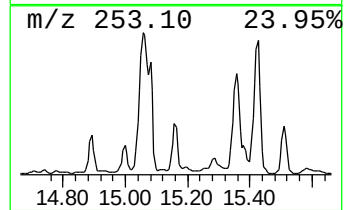
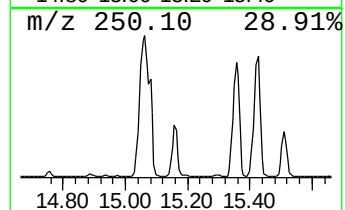
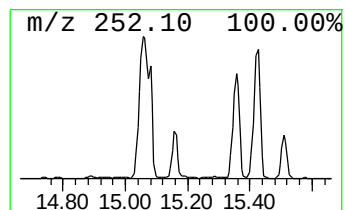
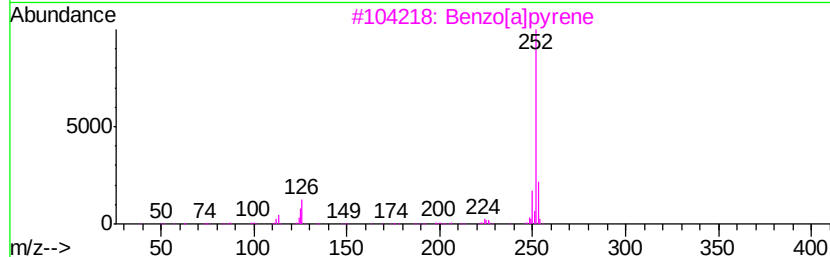
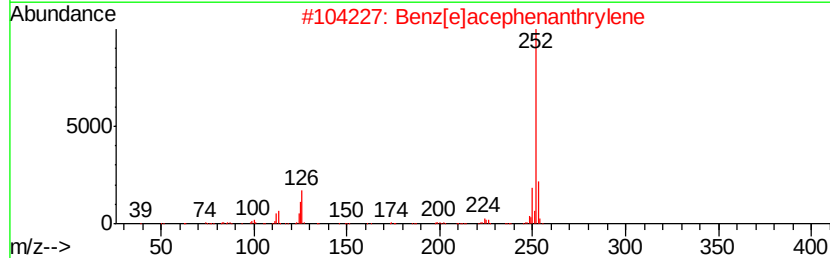
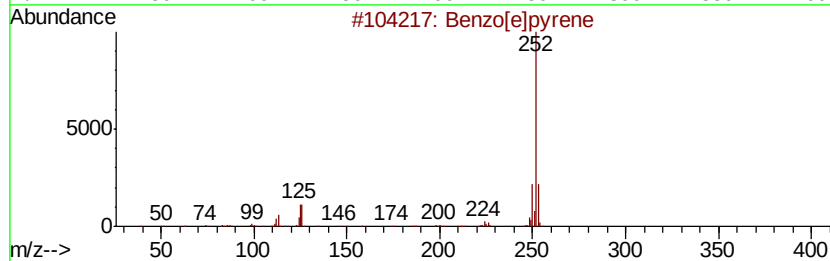
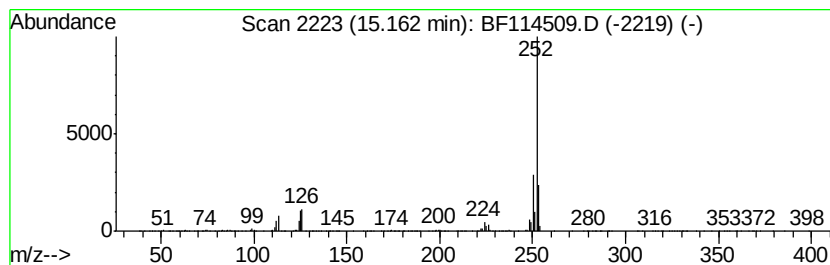
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.16	22.12 ng	1205260	Perylene-d12	15.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114509.D
Acq On : 23 May 2019 2:59
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Sample : K2978-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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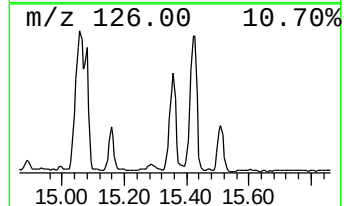
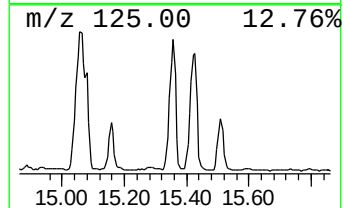
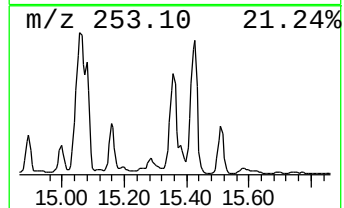
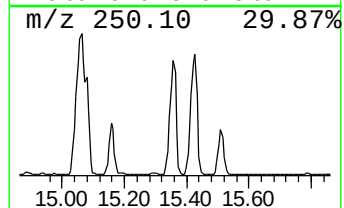
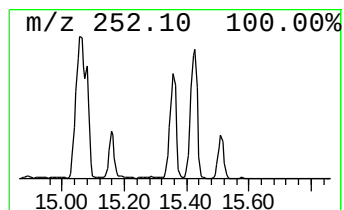
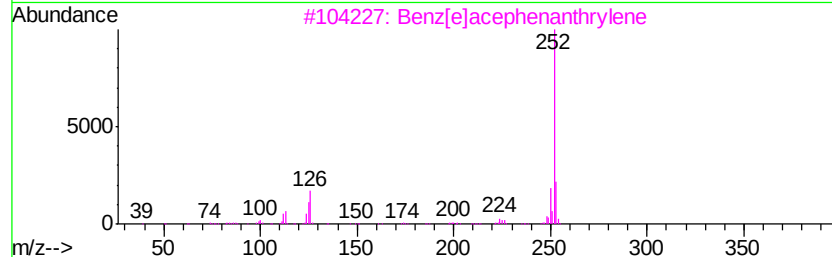
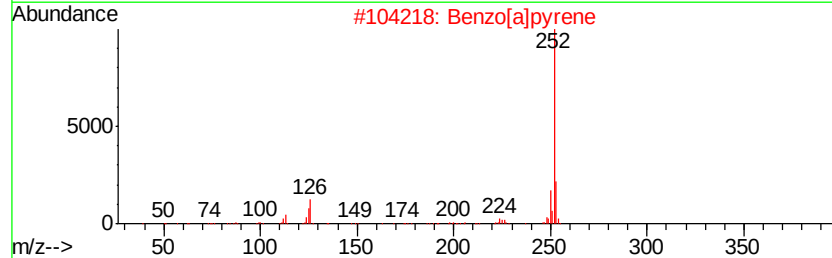
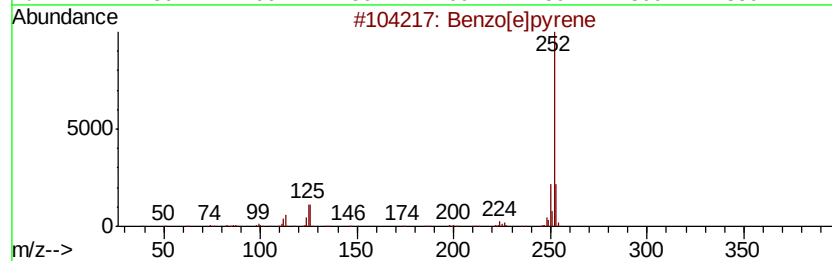
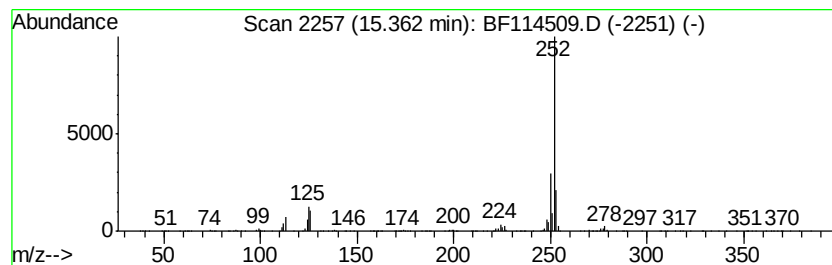
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benz[e]acephenanthrylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	63.62 ng	3466940	Perylene-d12	15.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	98
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
4			Perylene	252	C20H12	000198-55-0	95
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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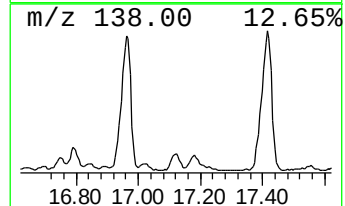
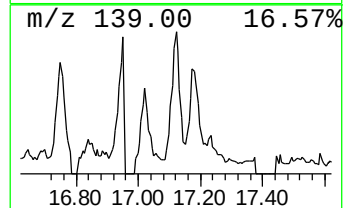
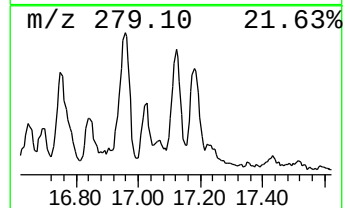
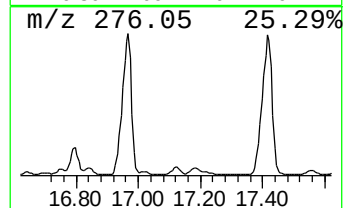
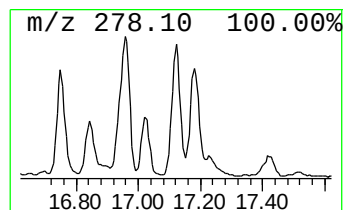
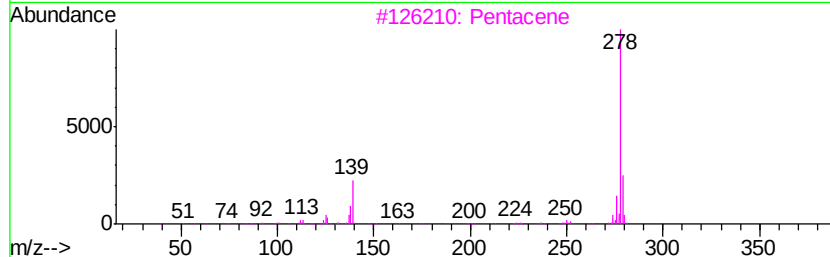
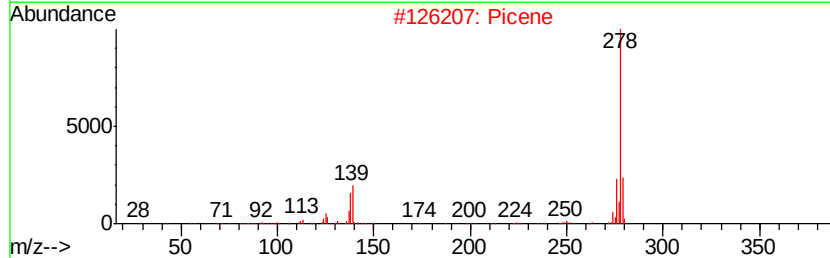
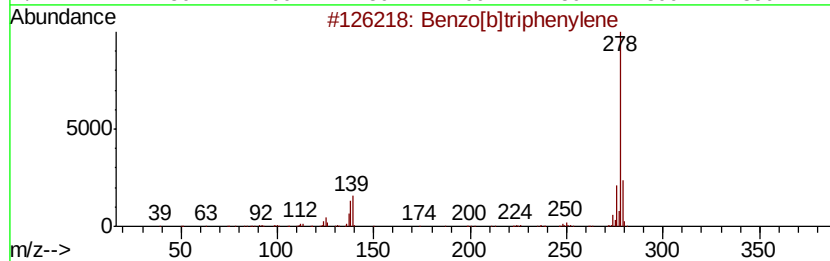
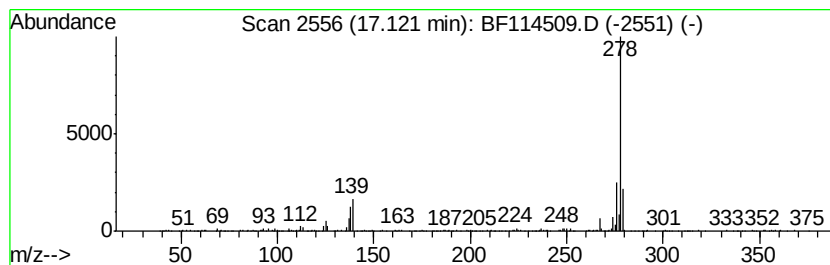
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	10.01 ng	545598	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2		Picene	278	C22H14	000213-46-7	93
3		Pentacene	278	C22H14	000135-48-8	91
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
5		Dibenz[a,j]anthracene	278	C22H14	000224-41-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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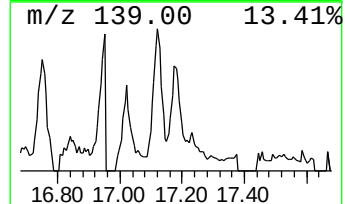
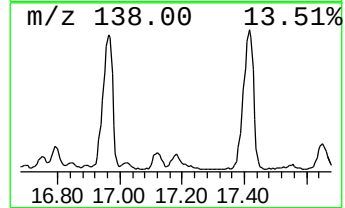
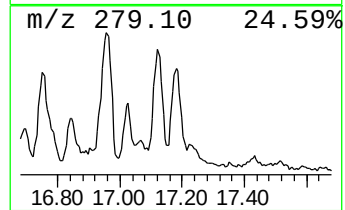
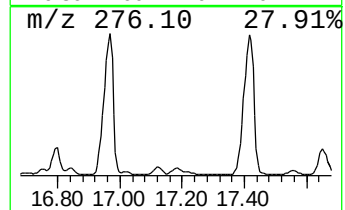
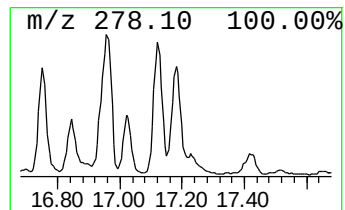
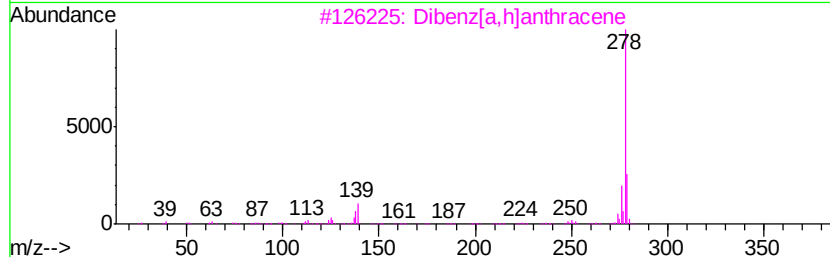
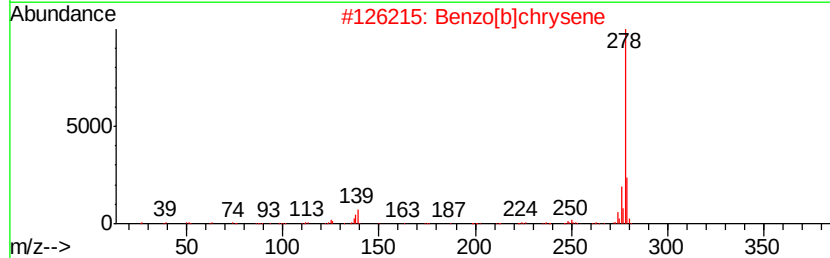
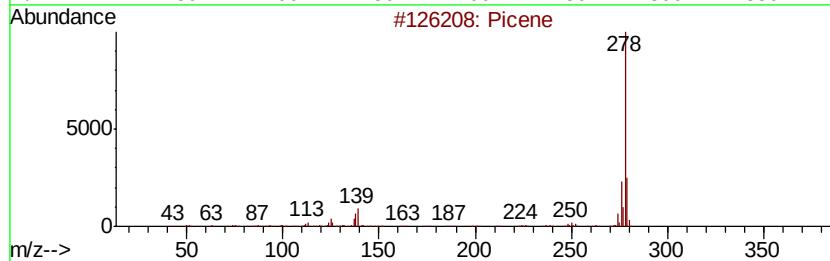
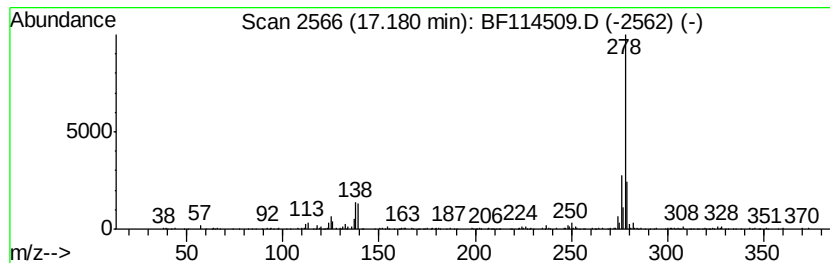
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.18	7.29 ng	397028	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	97
2		Benzo[b]chrysene	278	C22H14	000214-17-5	96
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	90
5		Pentacene	278	C22H14	000135-48-8	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114509.D
Acq On : 23 May 2019 2:59
Operator : JU/SJ
Sample : K2978-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-SOIL

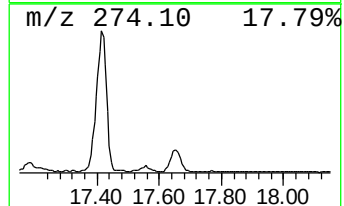
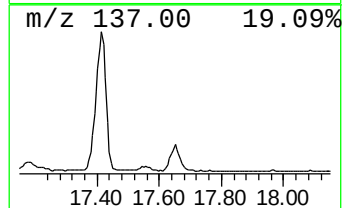
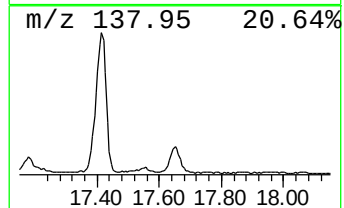
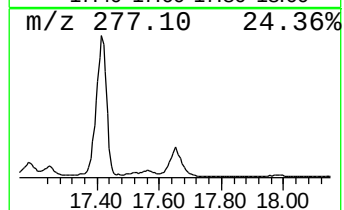
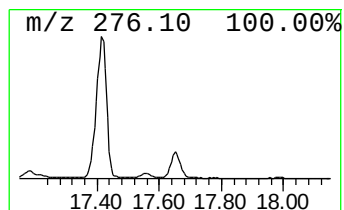
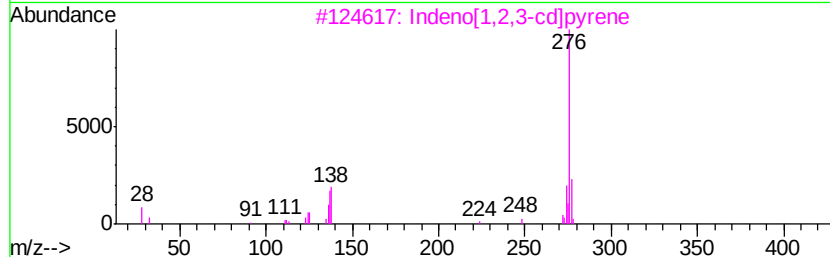
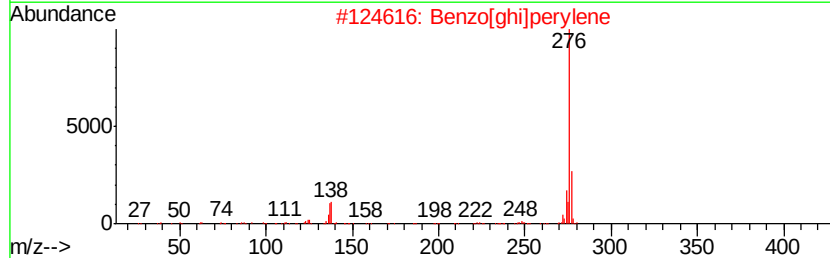
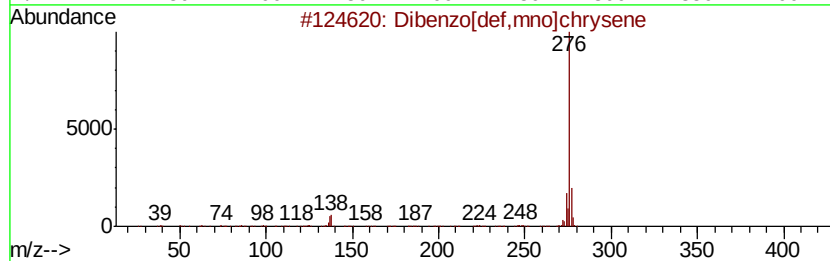
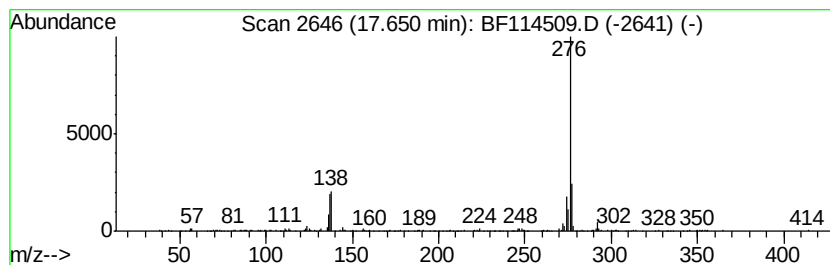
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	11.27 ng	614425	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052219\
 Data File : BF114509.D
 Acq On : 23 May 2019 2:59
 Operator : JU/SJ
 Sample : K2978-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
1,3,5,7-Cycloocta...	5.66	14.6	ng	839322	1	6.83	1151660	20.0
unknown6.60	6.60	18.3	ng	1051530	1	6.83	1151660	20.0
Benzene, 1-etheny...	6.66	10.3	ng	589962	1	6.83	1151660	20.0
Indene	7.09	10.2	ng	587162	1	6.83	1151660	20.0
Benzenemethanethi...	7.68	7.6	ng	575532	2	8.11	1515010	20.0
Anthracene, 2-met...	11.86	6.3	ng	480274	4	11.35	1518080	20.0
Phenanthrene, 2-m...	11.89	8.7	ng	662400	4	11.35	1518080	20.0
4H-Cyclopenta[def...	11.97	14.2	ng	1074880	4	11.35	1518080	20.0
Naphthalene, 2-ph...	12.14	5.8	ng	440241	4	11.35	1518080	20.0
Phenanthrene, 2,5...	12.40	8.3	ng	628985	4	11.35	1518080	20.0
unknown12.44	12.44	6.6	ng	498864	4	11.35	1518080	20.0
Cyclopenta(def)ph...	12.50	10.0	ng	758071	4	11.35	1518080	20.0
Benzo(a)pyrene, 7...	14.89	10.3	ng	561264	6	15.48	1089970	20.0
Benzo[e]pyrene	15.16	22.1	ng	1205260	6	15.48	1089970	20.0
Benz[e]acephenant...	15.36	63.6	ng	3466940	6	15.48	1089970	20.0
Benzo[b]triphenylene	17.12	10.0	ng	545598	6	15.48	1089970	20.0
Picene	17.18	7.3	ng	397028	6	15.48	1089970	20.0
Dibenzo[def,mno]c...	17.65	11.3	ng	614425	6	15.48	1089970	20.0