

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120919\
 Data File : BF118156.D
 Acq On : 9 Dec 2019 20:44
 Operator : JU
 Sample : K6117-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-120619

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-BF120619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	11	rVB	249084	274763	11.39%	0.592%
2	5.075	504	508	515	rVB	326665	365556	15.16%	0.788%
3	5.481	573	577	590	rVB	1769977	1784270	73.99%	3.845%
4	6.498	746	750	760	rVB	2056036	1922979	79.74%	4.144%
5	6.639	769	774	777	rBV	2397512	2075870	86.08%	4.473%
6	6.869	809	813	820	rVB	738237	620872	25.75%	1.338%
7	7.022	835	839	843	rBV	1939864	1706525	70.76%	3.677%
8	7.428	904	908	913	rBV	1259372	1159530	48.08%	2.499%
9	8.151	1028	1031	1038	rVB	867426	779193	32.31%	1.679%
10	9.233	1210	1215	1218	rBV	2776654	2411586	100.00%	5.197%
11	9.498	1255	1260	1263	rBV	49075	68404	2.84%	0.147%
12	9.569	1269	1272	1275	rBV	96711	96726	4.01%	0.208%
13	9.622	1279	1281	1288	rVB2	285283	349596	14.50%	0.753%
14	9.774	1304	1307	1310	rBV	649197	539664	22.38%	1.163%
15	9.916	1324	1331	1334	rBV	958121	865616	35.89%	1.865%
16	10.116	1360	1365	1369	rVV2	84598	97104	4.03%	0.209%
17	10.227	1381	1384	1387	rBV2	110256	138038	5.72%	0.297%
18	10.310	1396	1398	1402	rBV2	67415	101747	4.22%	0.219%
19	10.369	1405	1408	1411	rBV	145705	113204	4.69%	0.244%
20	10.433	1417	1419	1421	rVV	93535	69266	2.87%	0.149%
21	10.474	1421	1426	1431	rVB2	120937	157201	6.52%	0.339%
22	10.574	1440	1443	1447	rVV3	82754	97620	4.05%	0.210%
23	10.616	1447	1450	1454	rVV3	36851	67153	2.78%	0.145%
24	10.704	1460	1465	1477	rBV	1371942	1320384	54.75%	2.845%
25	10.827	1482	1486	1492	rVB3	144628	184548	7.65%	0.398%
26	11.010	1513	1517	1520	rBV4	68742	89206	3.70%	0.192%
27	11.210	1549	1551	1554	rVV3	81846	78916	3.27%	0.170%
28	11.304	1564	1567	1572	rVB4	66850	87823	3.64%	0.189%
29	11.404	1581	1584	1587	rBV	754676	758325	31.45%	1.634%
30	11.433	1587	1589	1593	rVV	581562	479591	19.89%	1.033%
31	11.480	1594	1597	1600	rVV	280069	262725	10.89%	0.566%
32	11.516	1600	1603	1606	rVV4	97349	130672	5.42%	0.282%
33	11.639	1620	1624	1627	rVV3	77888	111672	4.63%	0.241%
34	11.674	1627	1630	1631	rVV3	52841	66974	2.78%	0.144%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.698	1631	1634	1637	rVV3	89868	119113	4.94%	0.257%
36	11.739	1639	1641	1646	rVB2	85416	78560	3.26%	0.169%
37	11.910	1667	1670	1672	rVV	317984	277558	11.51%	0.598%
38	11.939	1672	1675	1680	rVV	483861	526167	21.82%	1.134%
39	11.986	1680	1683	1686	rVV	188056	180894	7.50%	0.390%
40	12.021	1686	1689	1692	rVV2	474175	550930	22.85%	1.187%
41	12.045	1692	1693	1698	rVB	263488	179013	7.42%	0.386%
42	12.104	1700	1703	1707	rVB6	64590	81324	3.37%	0.175%
43	12.204	1714	1720	1723	rVV3	145318	194556	8.07%	0.419%
44	12.233	1723	1725	1731	rVB3	87291	115618	4.79%	0.249%
45	12.357	1744	1746	1749	rVB	128756	92587	3.84%	0.200%
46	12.386	1749	1751	1753	rBV	198175	153308	6.36%	0.330%
47	12.410	1753	1755	1758	rVB	169208	151846	6.30%	0.327%
48	12.463	1758	1764	1767	rBV	632590	678464	28.13%	1.462%
49	12.498	1767	1770	1772	rVV2	301992	356214	14.77%	0.768%
50	12.521	1772	1774	1776	rVB2	181151	132963	5.51%	0.287%
51	12.551	1776	1779	1783	rBV2	299795	351643	14.58%	0.758%
52	12.627	1788	1792	1795	rBV	1276688	1033727	42.87%	2.228%
53	12.668	1797	1799	1801	rVV	90022	79890	3.31%	0.172%
54	12.692	1801	1803	1805	rVB2	99030	74712	3.10%	0.161%
55	12.721	1805	1808	1811	rBV	237935	191904	7.96%	0.414%
56	12.857	1826	1831	1837	rBV	1531312	1868319	77.47%	4.026%
57	12.910	1837	1840	1844	rVB2	319414	356386	14.78%	0.768%
58	12.968	1844	1850	1852	rBV3	159326	266585	11.05%	0.574%
59	12.998	1852	1855	1858	rBV	2255205	1916458	79.47%	4.130%
60	13.074	1864	1868	1875	rVB3	321076	531736	22.05%	1.146%
61	13.133	1875	1878	1880	rBV	121477	118920	4.93%	0.256%
62	13.163	1880	1883	1885	rVV3	285855	361297	14.98%	0.779%
63	13.186	1885	1887	1890	rVB	376072	304103	12.61%	0.655%
64	13.251	1896	1898	1901	rVV	140867	115652	4.80%	0.249%
65	13.292	1902	1905	1908	rVB	508416	421025	17.46%	0.907%
66	13.357	1913	1916	1918	rVV3	121336	150987	6.26%	0.325%
67	13.386	1918	1921	1923	rVV	545536	486122	20.16%	1.048%
68	13.415	1923	1926	1929	rVV	440853	434019	18.00%	0.935%
69	13.445	1929	1931	1935	rVV	150375	156993	6.51%	0.338%
70	13.504	1938	1941	1943	rVB2	89250	96327	3.99%	0.208%
71	13.562	1949	1951	1954	rBV4	76106	105800	4.39%	0.228%

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72	13.698	1971	1974	1978	rVB	329593	350638	14.54%	0.756%
73	13.757	1982	1984	1987	rVB	203071	172566	7.16%	0.372%
74	13.810	1987	1993	1996	rBV4	241394	523309	21.70%	1.128%
75	13.862	2000	2002	2003	rVV	160721	125172	5.19%	0.270%
76	13.904	2005	2009	2013	rVB2	319269	551270	22.86%	1.188%
77	14.057	2030	2035	2038	rBV2	1235699	1815676	75.29%	3.913%
78	14.086	2038	2040	2047	rVB	961524	895633	37.14%	1.930%
79	14.145	2047	2050	2052	rBV	185289	150982	6.26%	0.325%
80	14.209	2058	2061	2067	rBV5	181823	308289	12.78%	0.664%
81	14.345	2082	2084	2087	rVB	104710	81349	3.37%	0.175%
82	14.380	2087	2090	2093	rVB3	109954	124422	5.16%	0.268%
83	14.409	2093	2095	2097	rBV	171670	177337	7.35%	0.382%
84	14.451	2097	2102	2105	rVV	707587	858414	35.60%	1.850%
85	14.480	2105	2107	2111	rVV	395050	411861	17.08%	0.888%
86	14.521	2111	2114	2116	rVV	290382	349929	14.51%	0.754%
87	14.574	2120	2123	2125	rVV2	388904	372571	15.45%	0.803%
88	14.598	2125	2127	2130	rVB	172075	145329	6.03%	0.313%
89	14.786	2157	2159	2162	rBV	110848	150449	6.24%	0.324%
90	14.839	2165	2168	2171	rBV2	176826	233132	9.67%	0.502%
91	14.880	2172	2175	2179	rVB	230951	266233	11.04%	0.574%
92	14.921	2179	2182	2184	rBV2	103834	127874	5.30%	0.276%
93	15.121	2211	2216	2219	rBV	699477	1086141	45.04%	2.340%
94	15.227	2231	2234	2238	rVB	203938	204361	8.47%	0.440%
95	15.427	2264	2268	2274	rVB	591903	738697	30.63%	1.592%
96	15.492	2275	2279	2284	rVB	803362	1066003	44.20%	2.297%
97	15.556	2286	2290	2293	rBV	629133	806102	33.43%	1.737%
98	15.586	2293	2295	2302	rVB2	223997	373895	15.50%	0.806%
99	17.062	2541	2546	2554	rVB2	320420	648287	26.88%	1.397%
100	17.521	2618	2624	2636	rVB	278246	565737	23.46%	1.219%

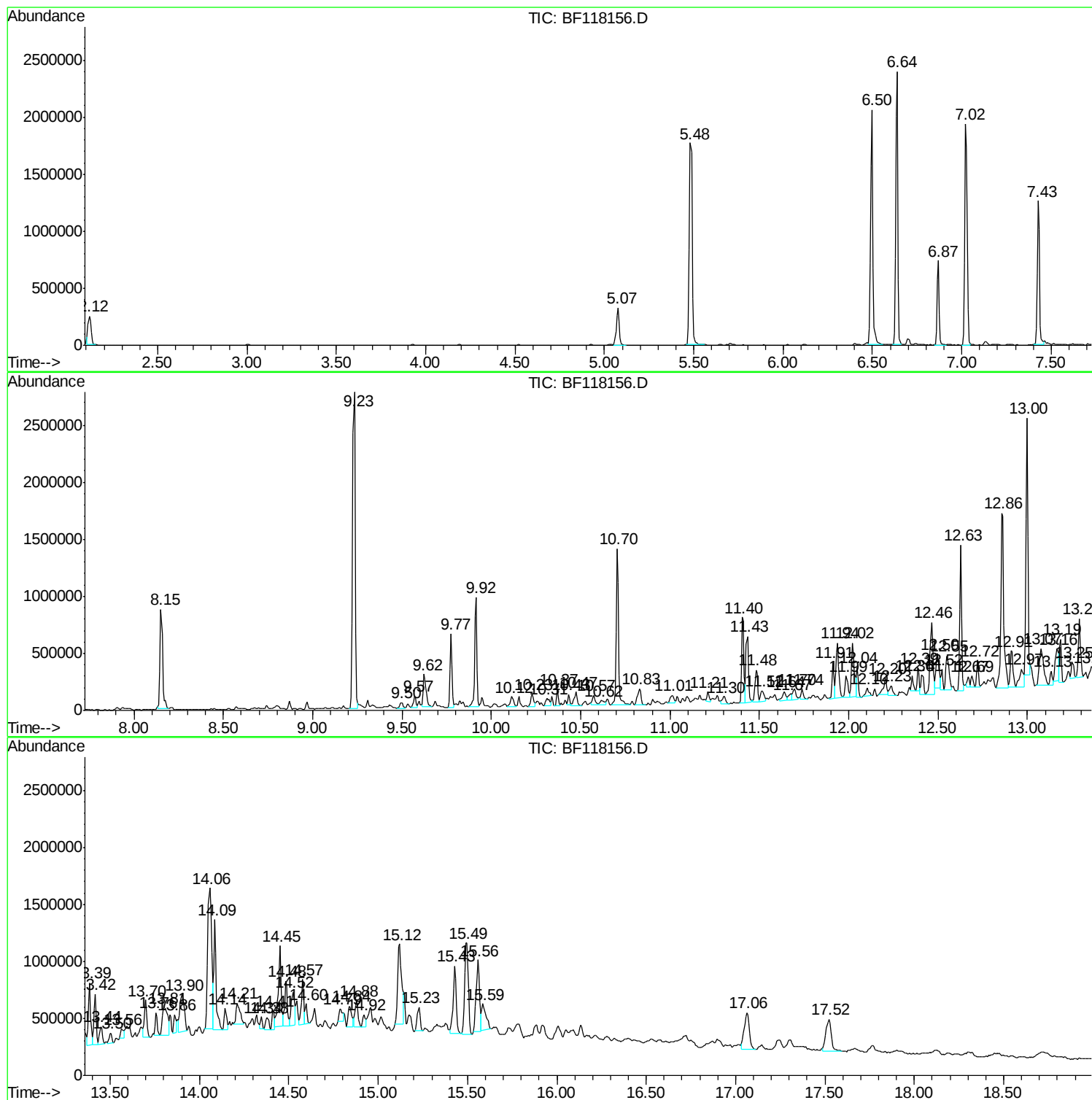
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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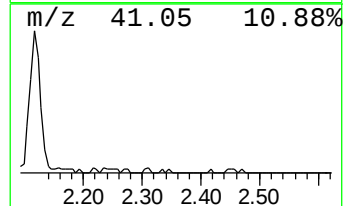
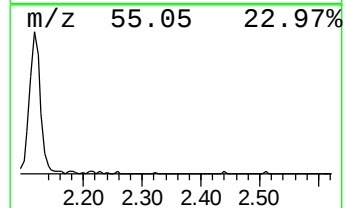
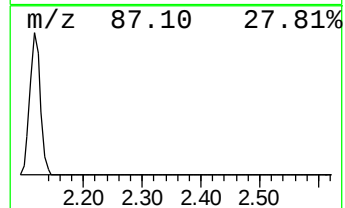
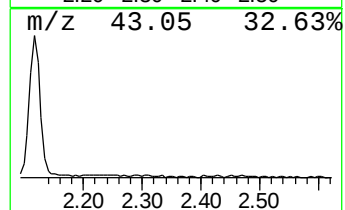
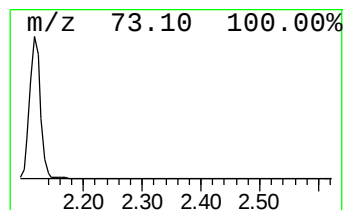
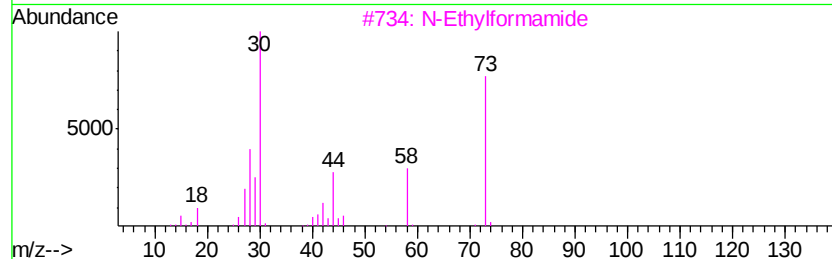
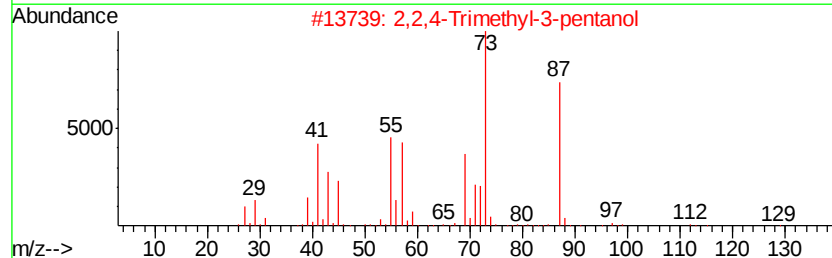
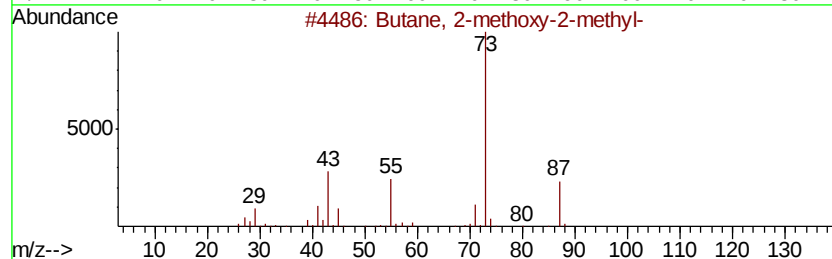
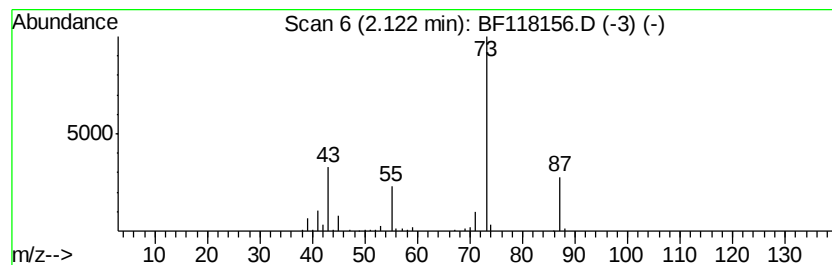
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	8.85 ng	274763	1,4-Dichlorobenzene-d4	6.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			N-Ethylformamide	73	C3H7NO	000627-45-2	9
4			3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	9
5			1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	9



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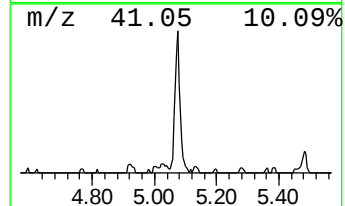
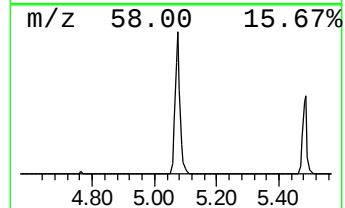
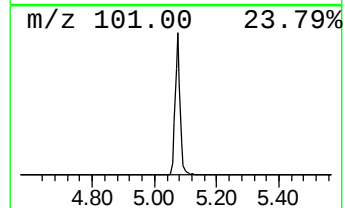
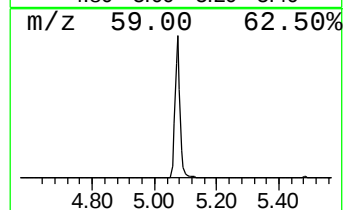
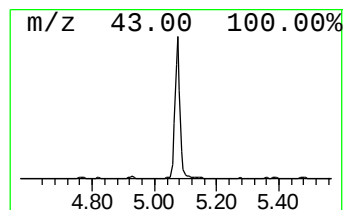
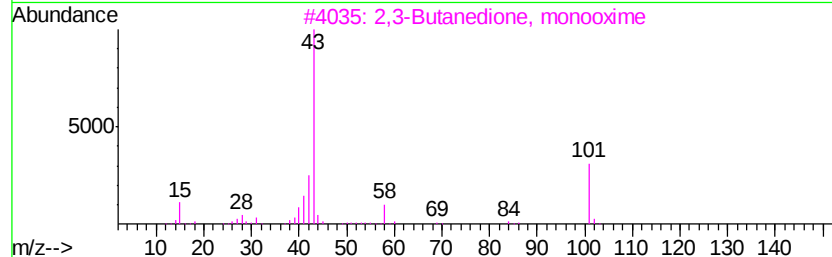
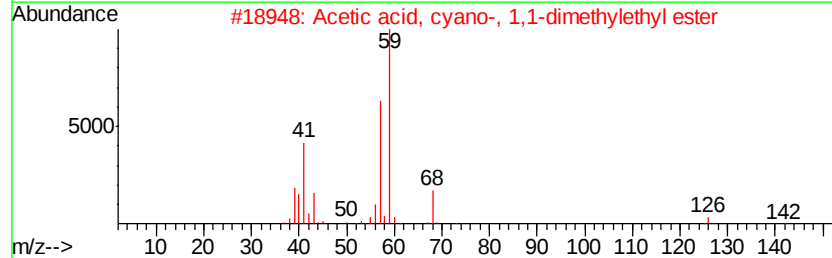
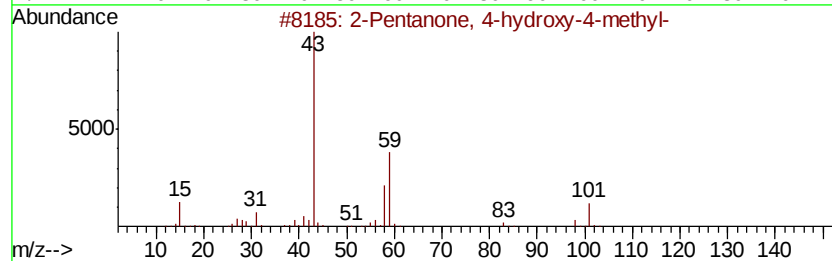
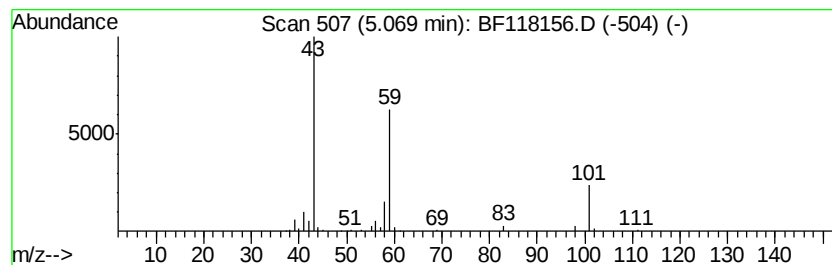
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TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	11.78 ng	365556	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	32
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12
5		5-Oxohexanenitrile	111	C6H9NO	010412-98-3	10



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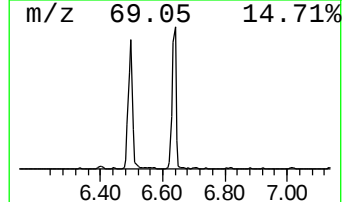
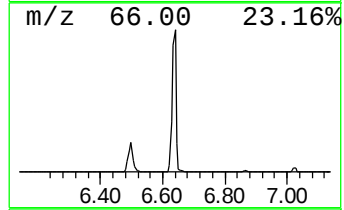
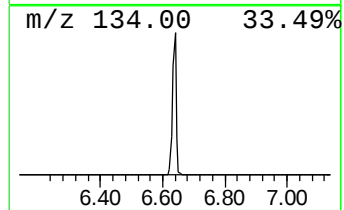
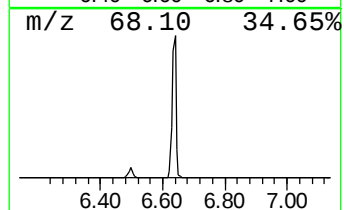
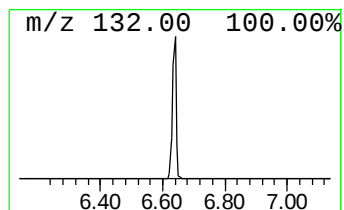
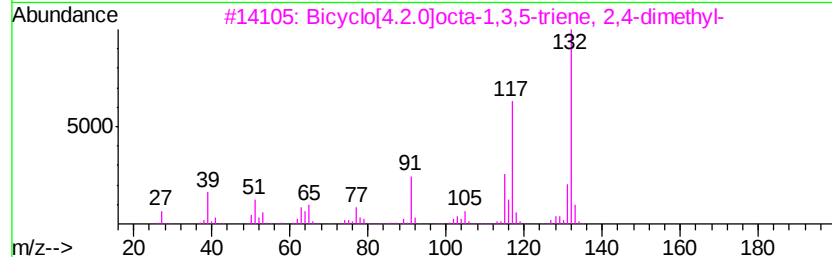
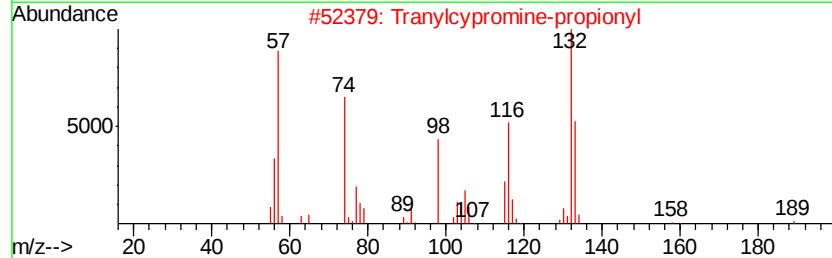
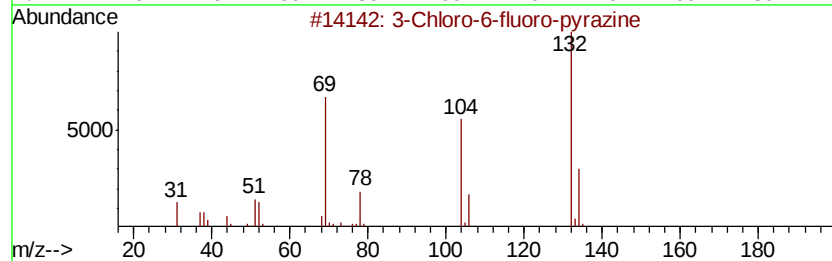
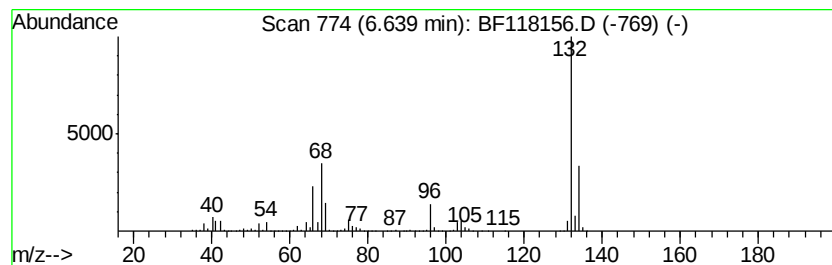
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	66.87 ng	2075870	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Xenon	132	Xe	007440-63-3	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
Acq On : 9 Dec 2019 20:44
Operator : JU
Sample : K6117-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

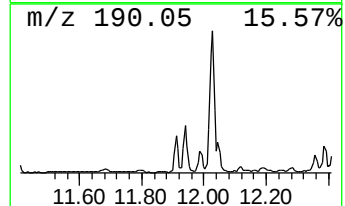
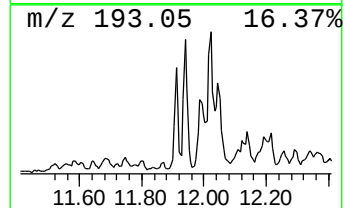
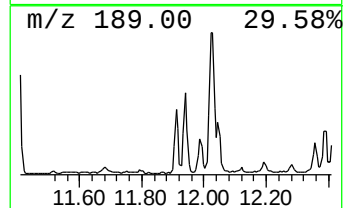
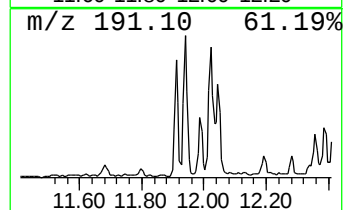
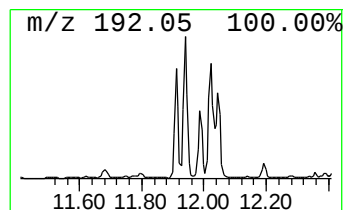
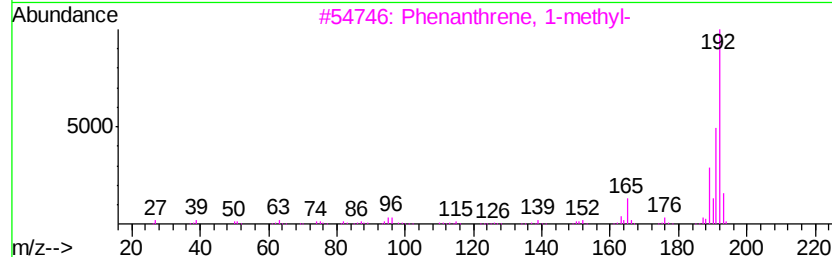
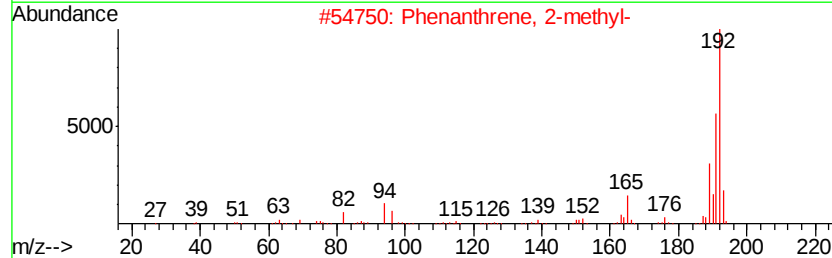
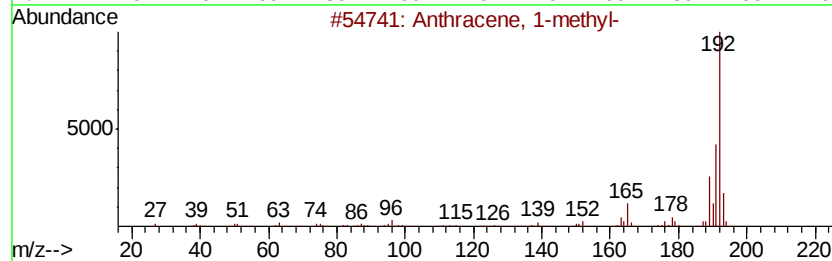
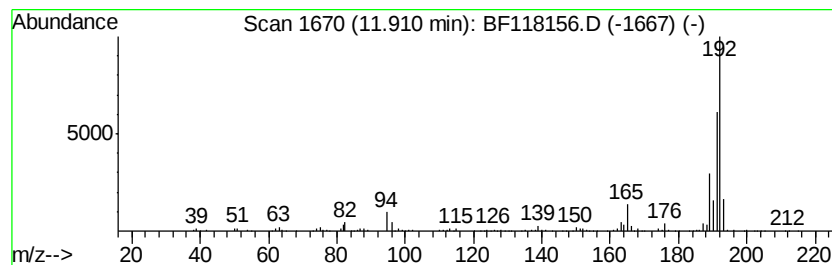
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	7.32 ng	277558	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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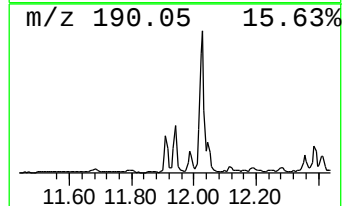
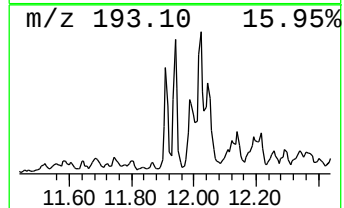
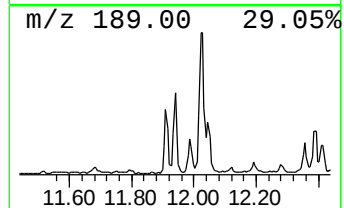
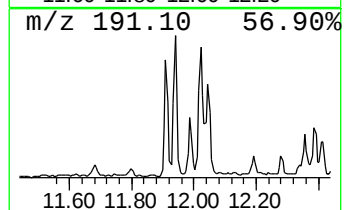
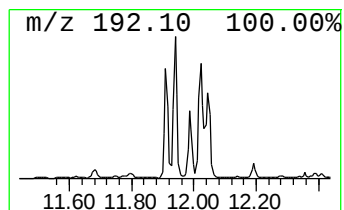
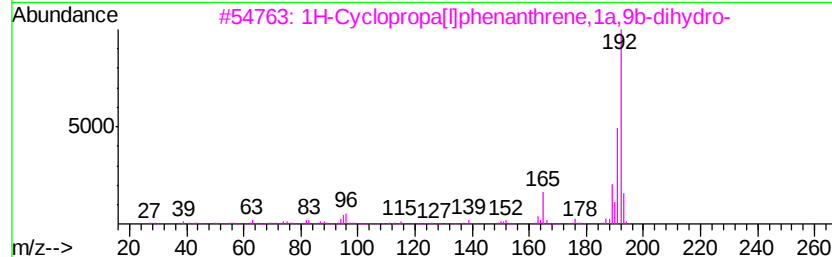
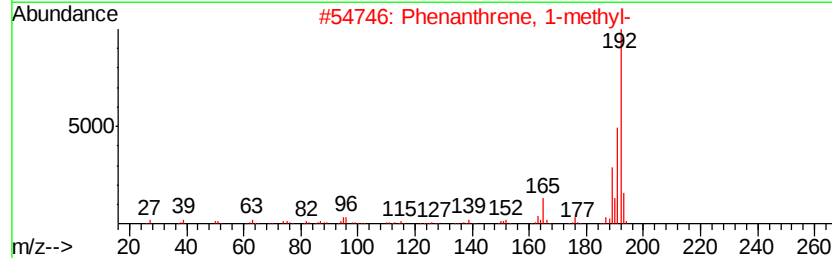
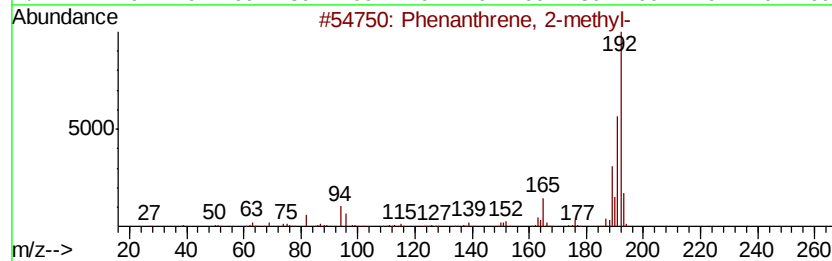
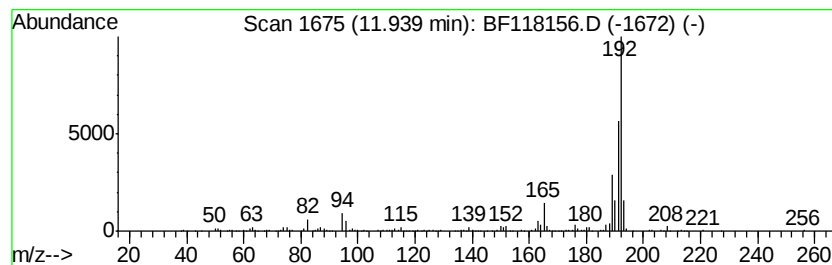
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	13.88 ng	526167	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



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Misc :
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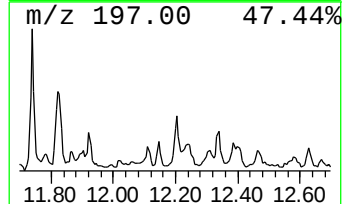
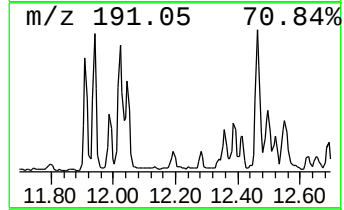
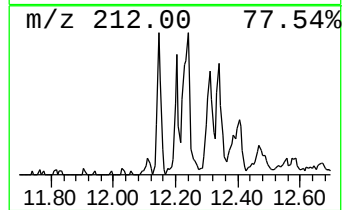
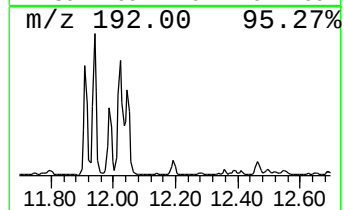
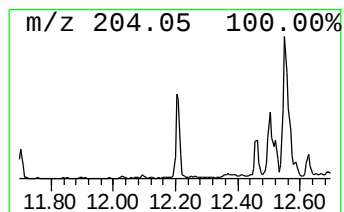
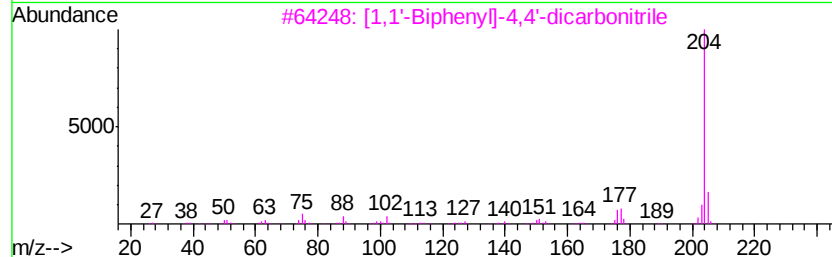
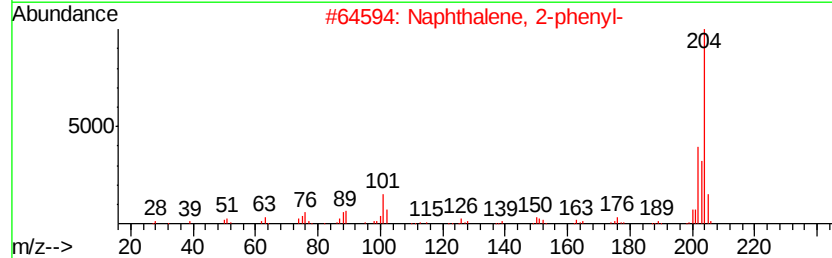
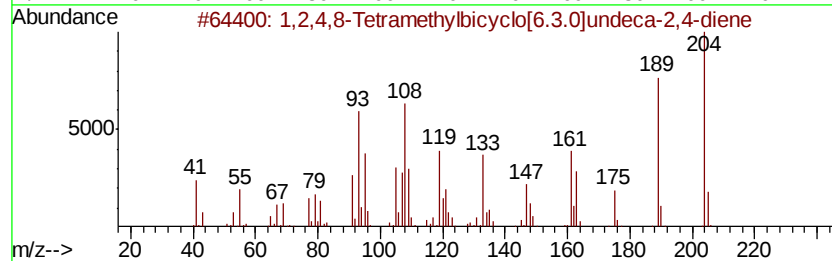
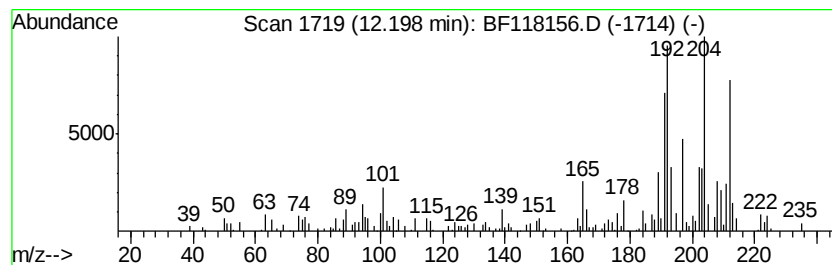
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.20	5.13 ng	194556	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
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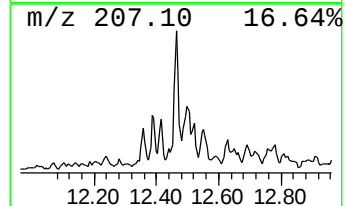
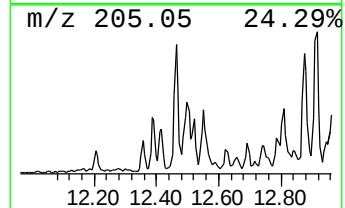
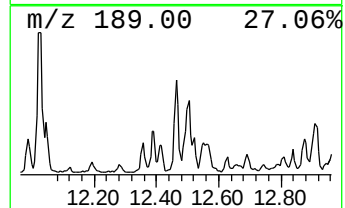
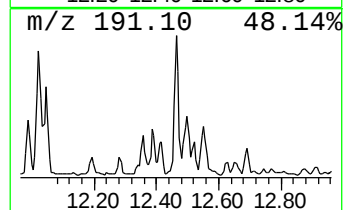
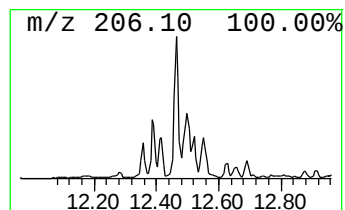
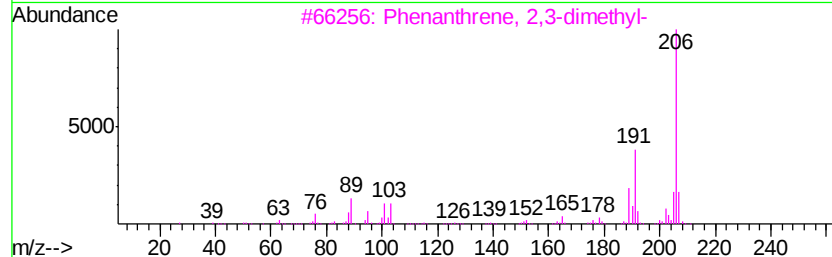
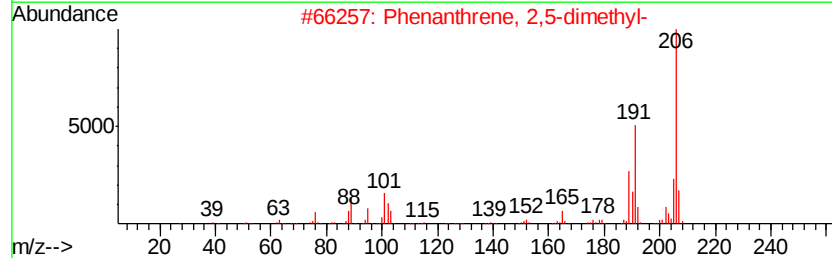
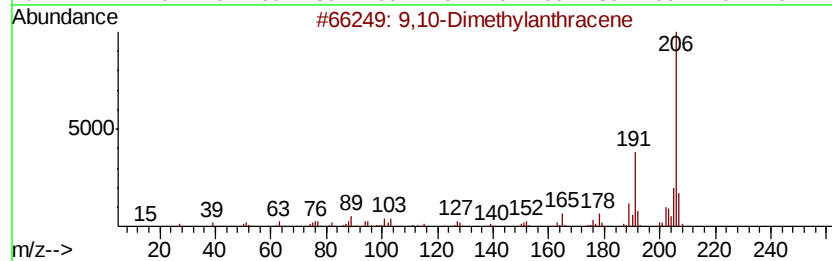
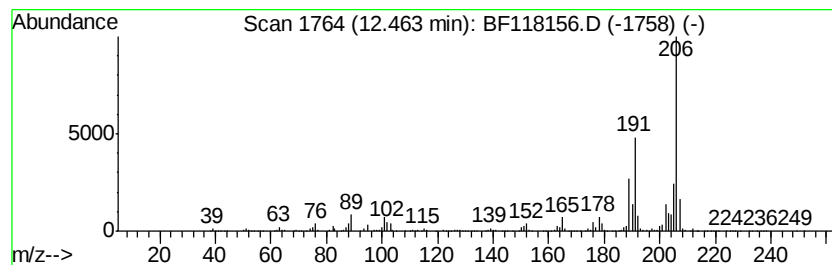
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Dimethylantracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	17.89 ng	678464	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene			206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-			206	C16H14	003674-66-6	96
3	Phenanthrene, 2,3-dimethyl-			206	C16H14	003674-65-5	87
4	Anthracene, 1,4-dimethyl-			206	C16H14	000781-92-0	86
5	Phenanthrene, 1,7-dimethyl-			206	C16H14	000483-87-4	81



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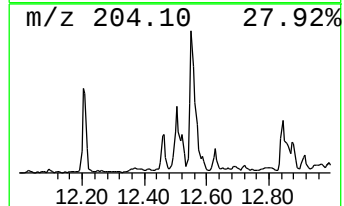
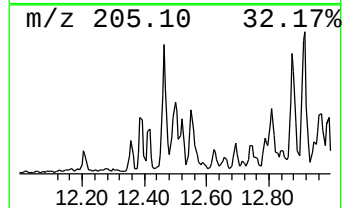
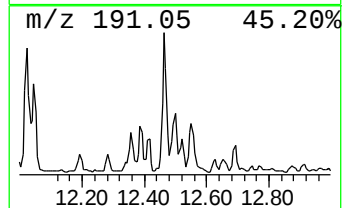
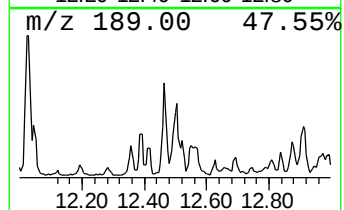
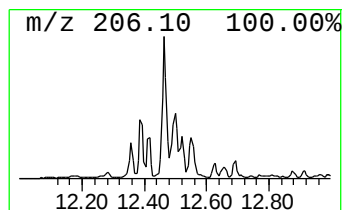
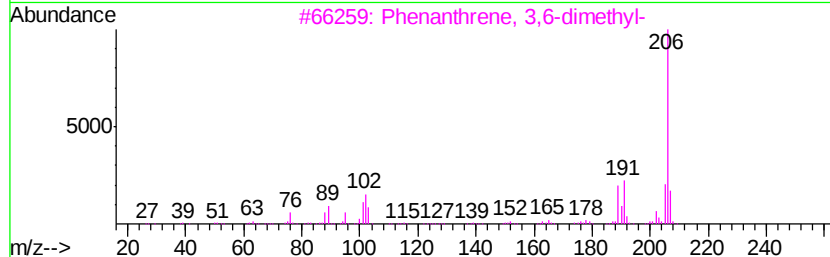
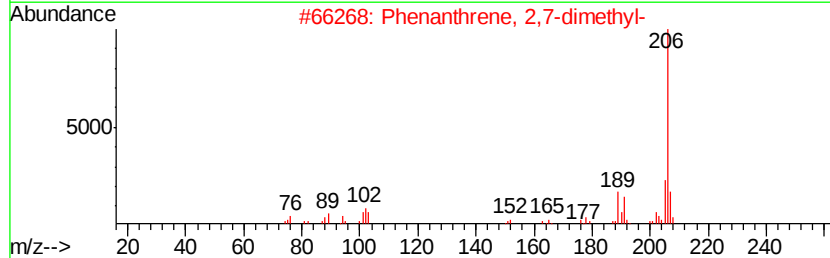
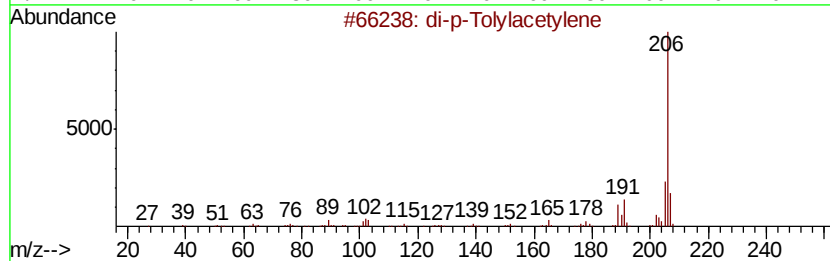
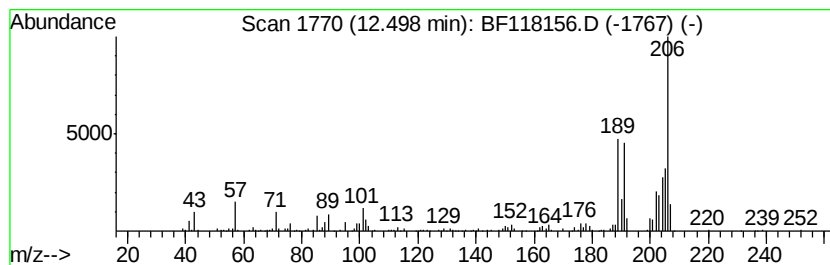
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	9.39 ng	356214	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	83
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4			[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	62



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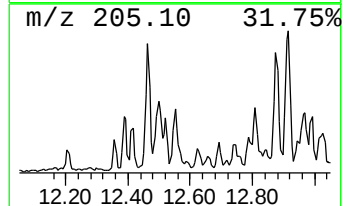
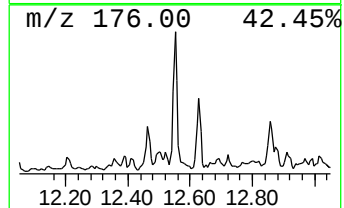
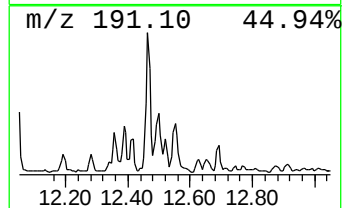
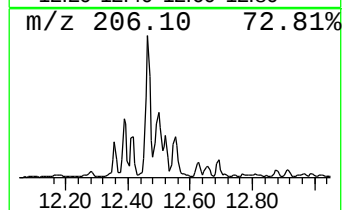
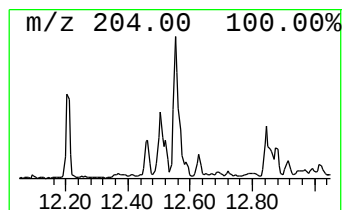
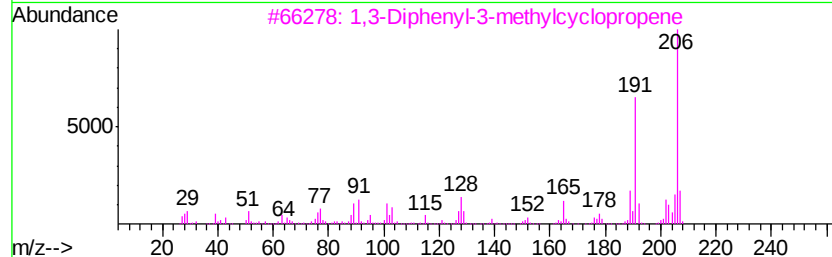
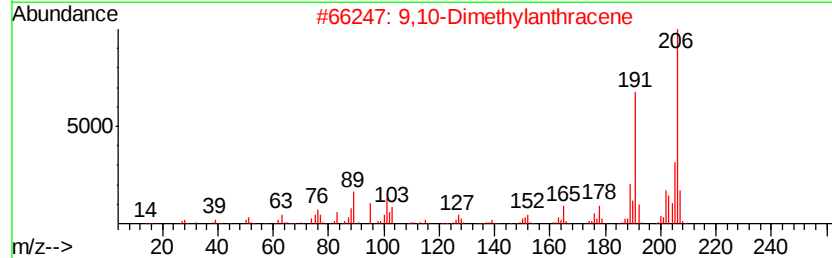
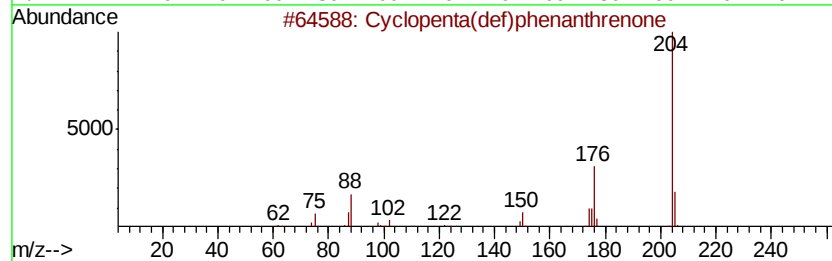
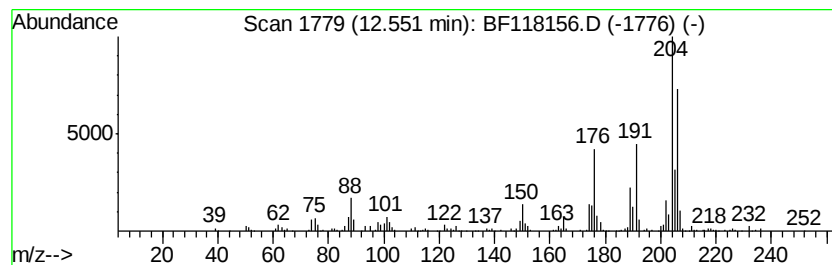
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	9.27 ng	351643	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	84
3		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46



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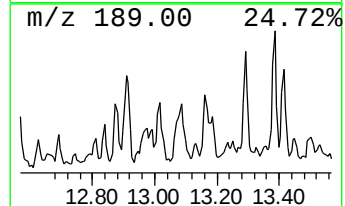
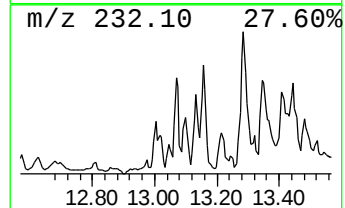
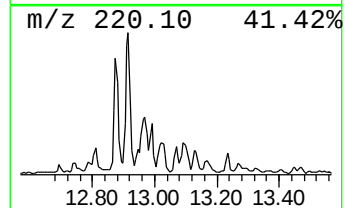
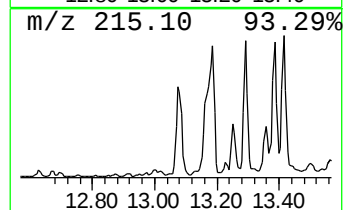
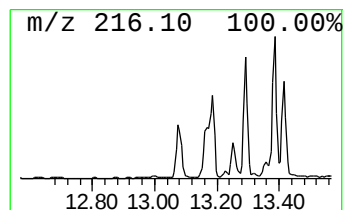
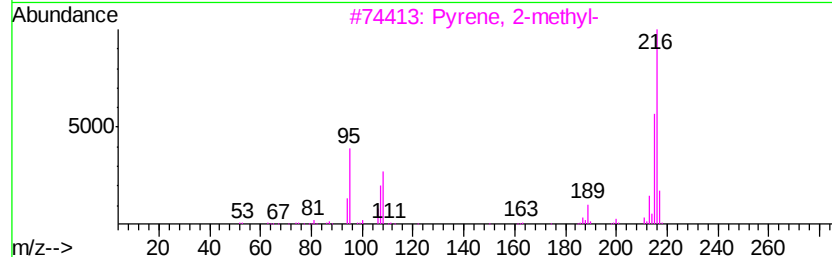
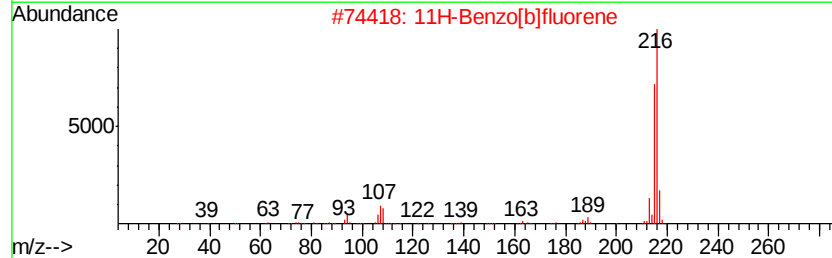
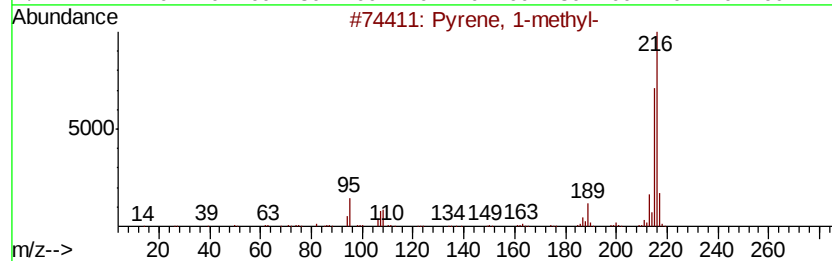
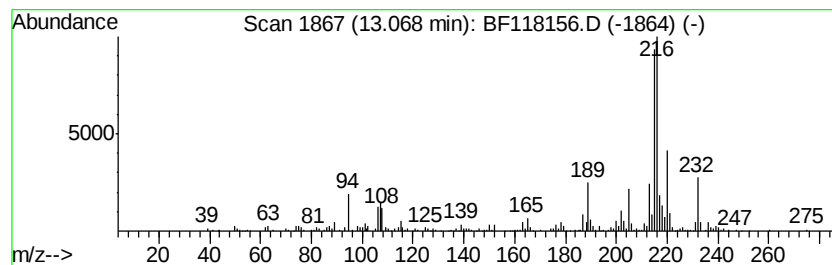
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	5.86 ng	531736	Chrysene-d12	14.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
Acq On : 9 Dec 2019 20:44
Operator : JU
Sample : K6117-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

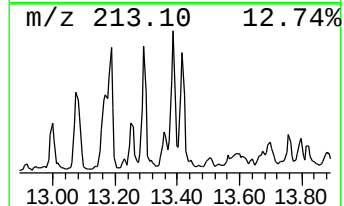
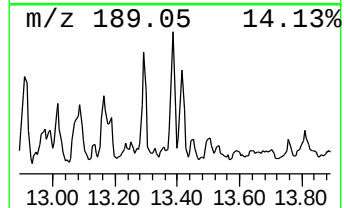
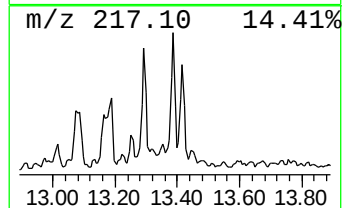
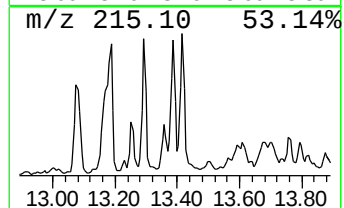
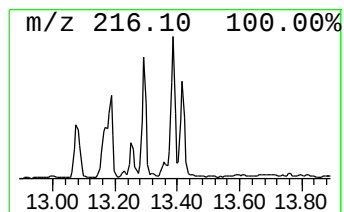
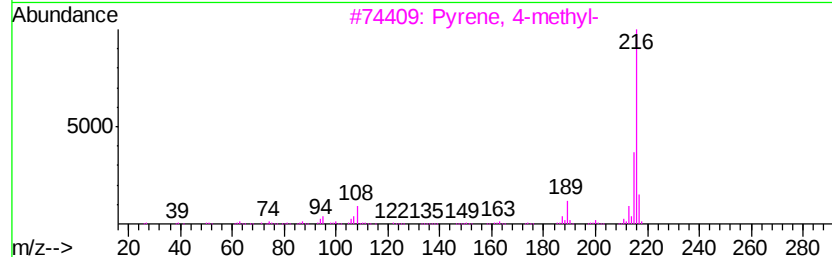
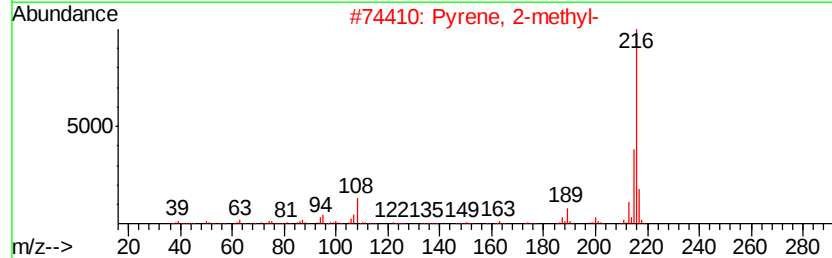
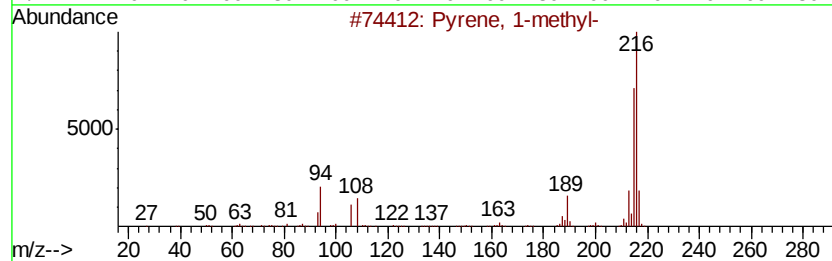
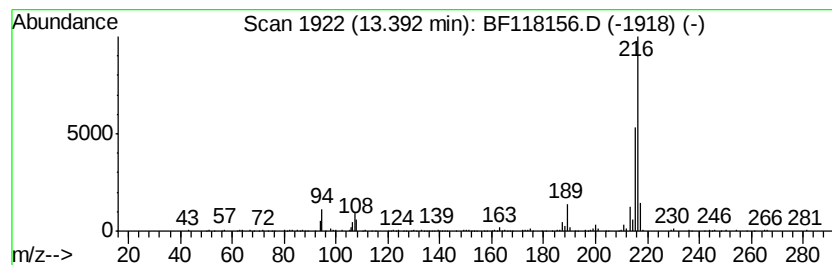
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	5.35 ng	486122	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4		11H-Benzo[alfluorene	216	C17H12	000238-84-6	83
5		1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
Acq On : 9 Dec 2019 20:44
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Misc :
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ClientSampleId :
TR-04-120619

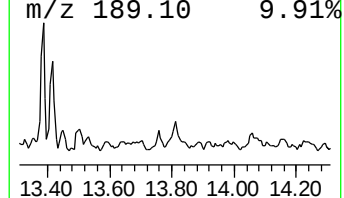
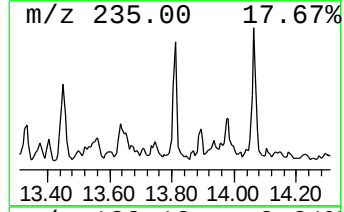
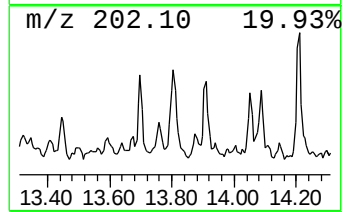
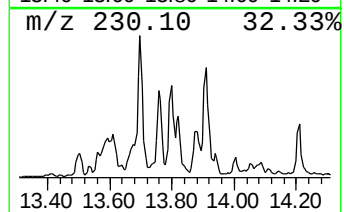
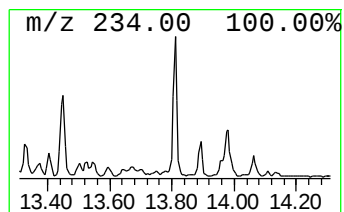
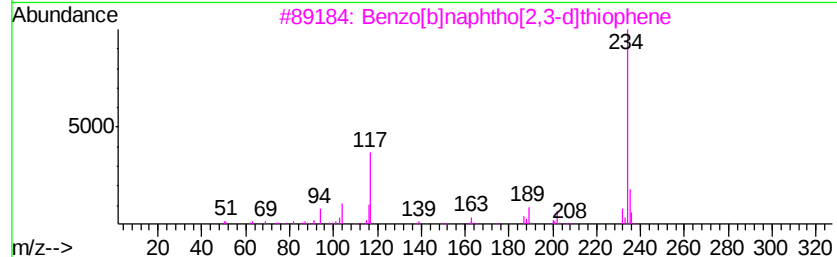
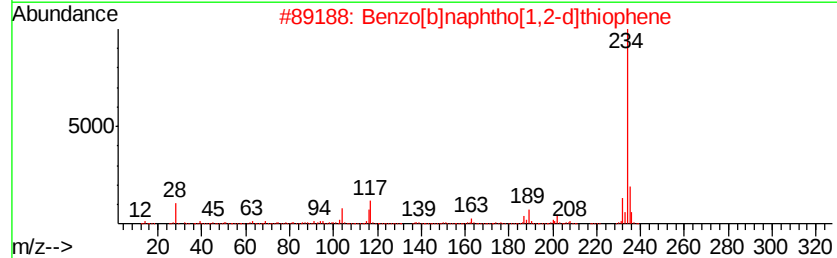
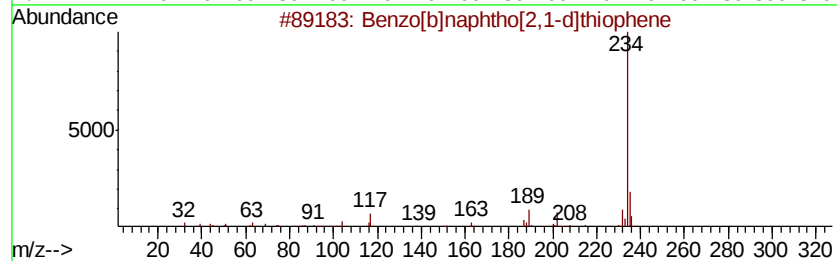
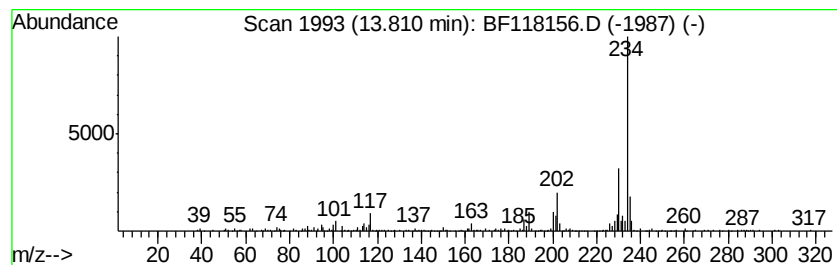
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	5.76 ng	523309	Chrysene-d12	14.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	86
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64
5			Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
Acq On : 9 Dec 2019 20:44
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ClientSampleId :
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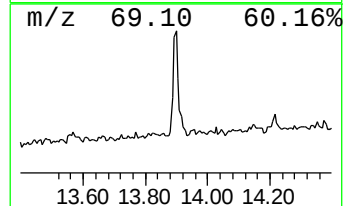
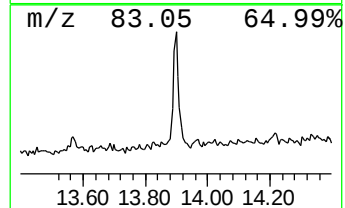
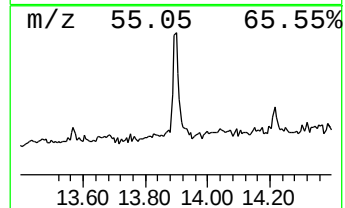
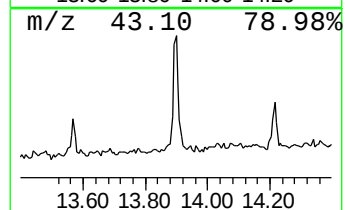
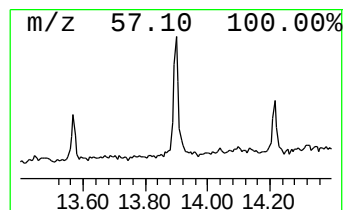
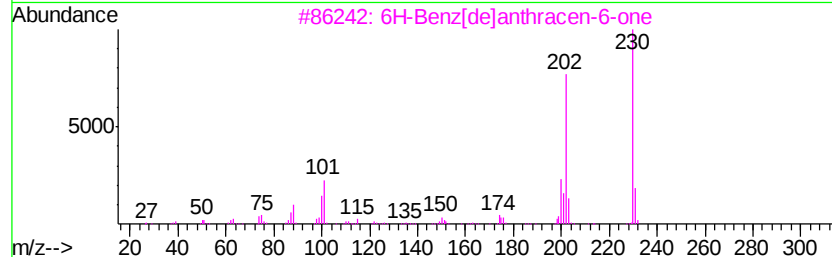
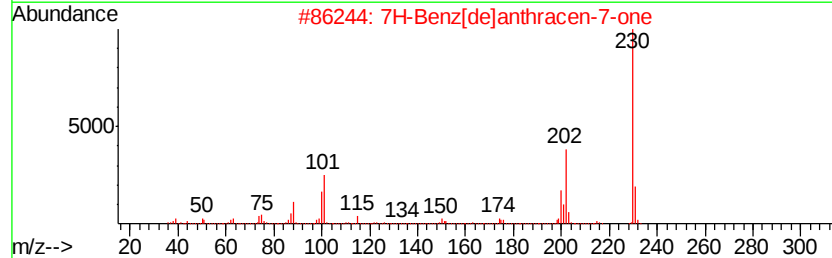
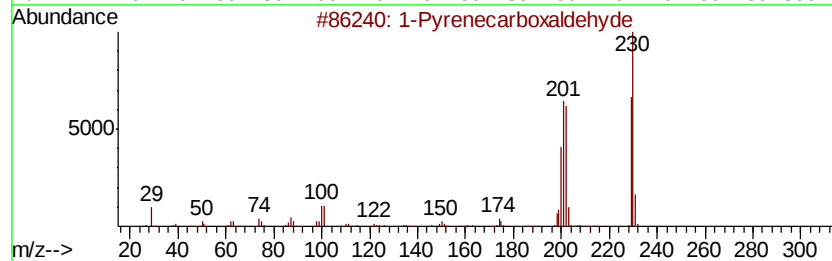
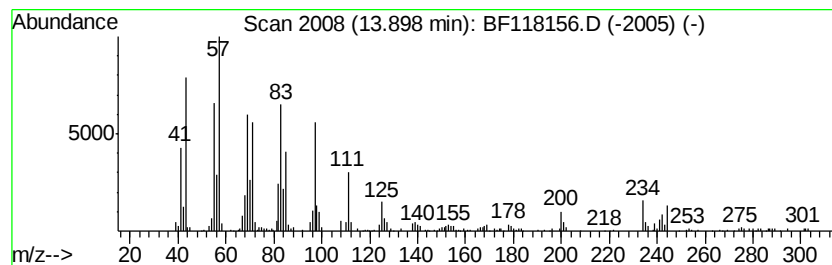
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1-Pyrenecarboxaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	6.07 ng	551270	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50
4		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	38
5		m-Terphenyl	230	C18H14	000092-06-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
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Misc :
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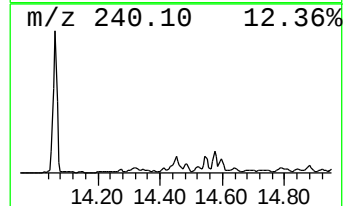
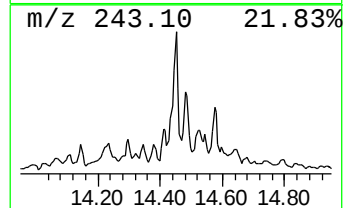
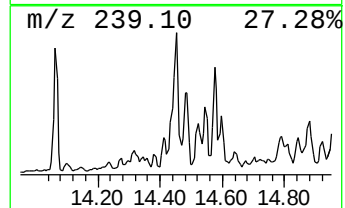
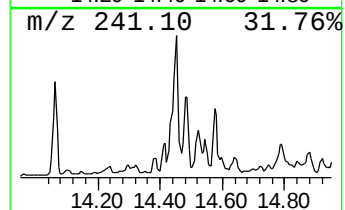
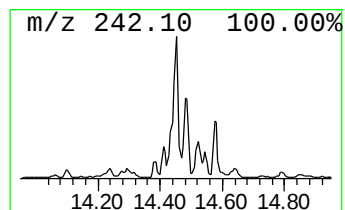
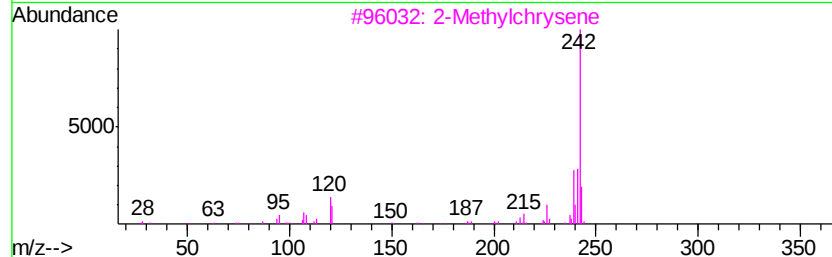
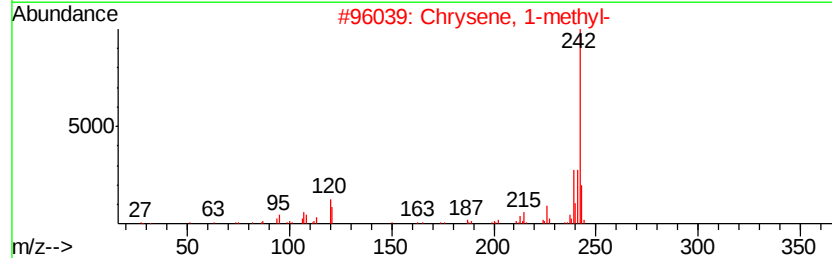
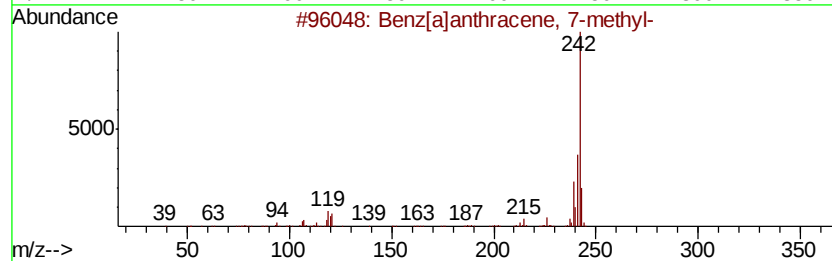
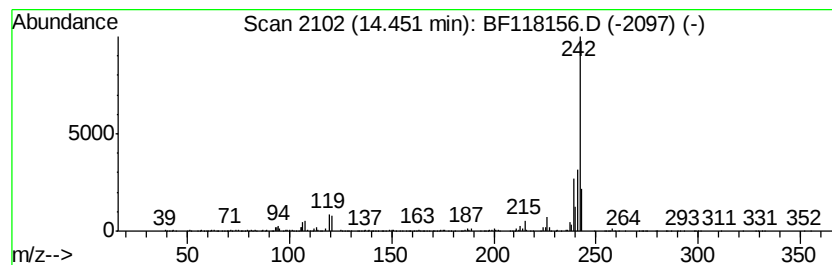
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benz[a]anthracene, 7-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	9.46 ng	858414	Chrysene-d12	14.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2			Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3			2-Methylchrysene	242	C19H14	003351-32-4	93
4			1H-Benz[fl]indene, 2-phenyl-	242	C19H14	1000305-22-4	91
5			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
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Misc :
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ClientSampleId :
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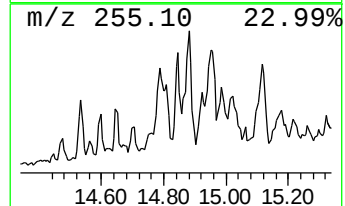
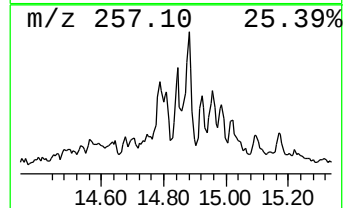
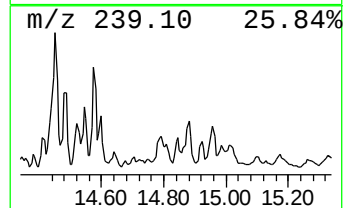
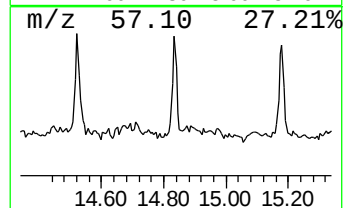
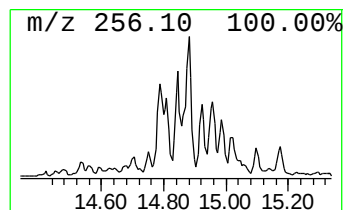
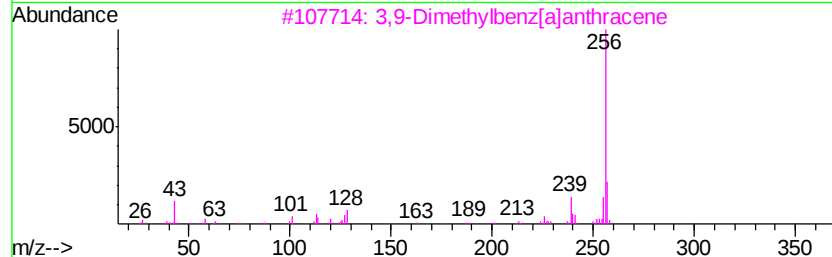
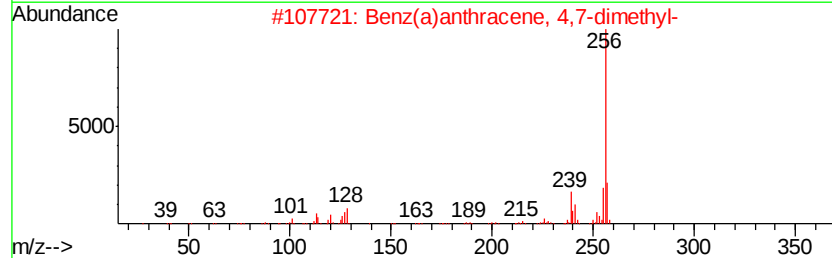
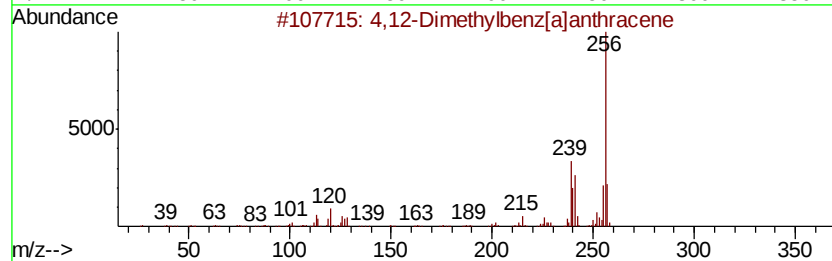
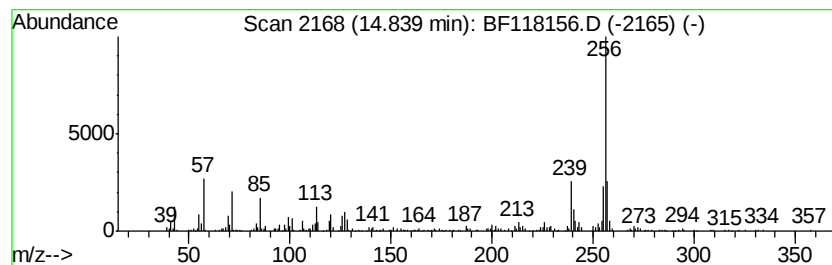
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 4,12-Dimethylbenz[a]anthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	5.78 ng	233132	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	93
2		Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	91
3		3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	91
4		Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	90
5		Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
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ClientSampleId :
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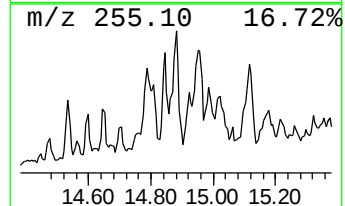
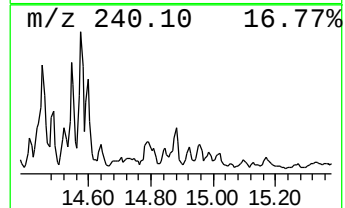
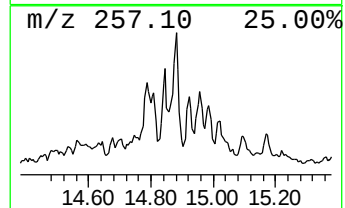
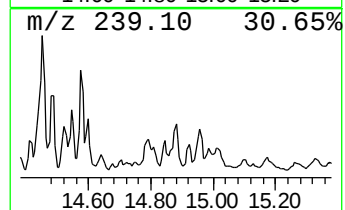
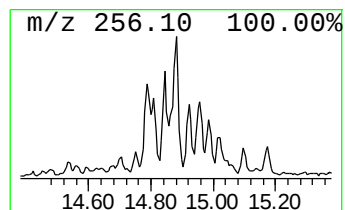
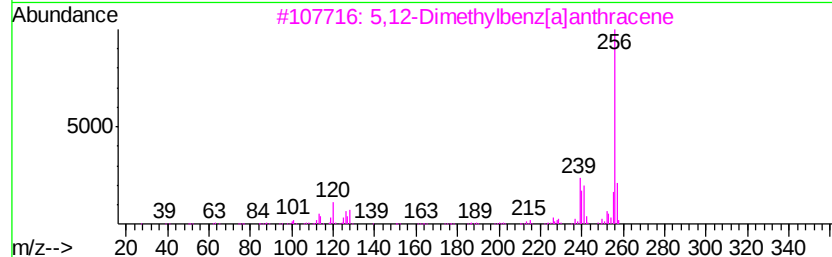
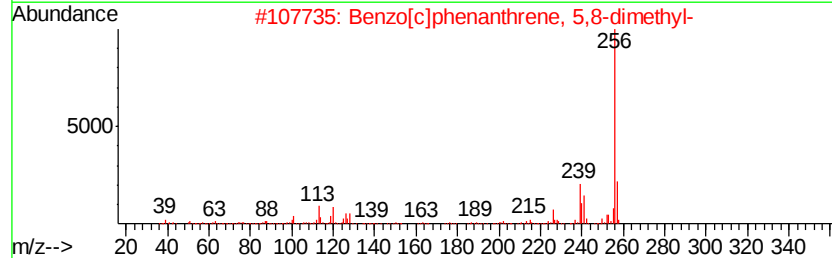
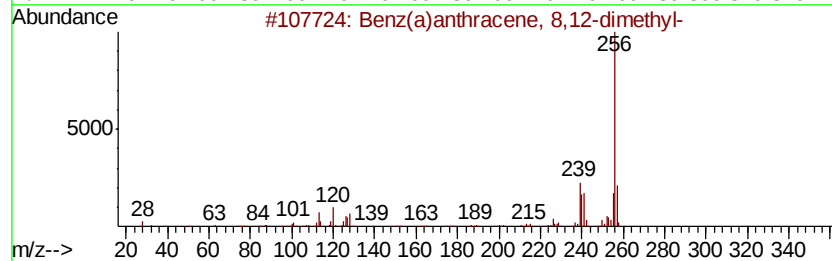
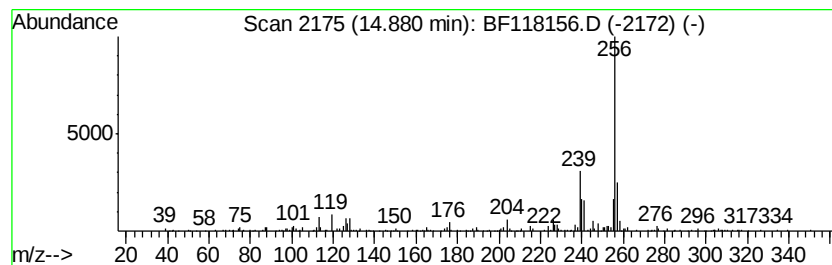
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benz(a)anthracene, 8,12-dim... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	6.61 ng	266233	Perylene-d12	15.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	90
2			Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	87
3			5,12-Dimethylbenz[alanthracene	256	C20H16	021297-22-3	87
4			Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	83
5			Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
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Acq On : 9 Dec 2019 20:44
Operator : JU
Sample : K6117-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

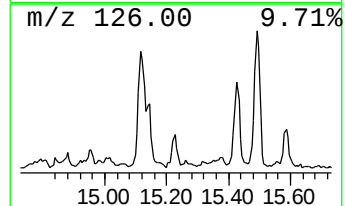
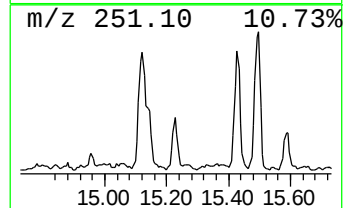
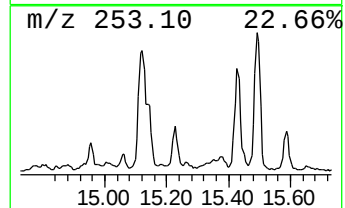
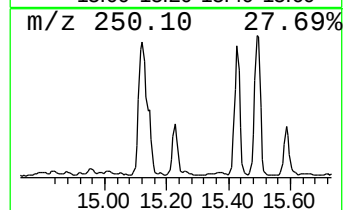
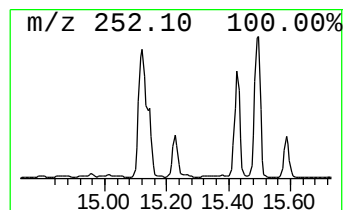
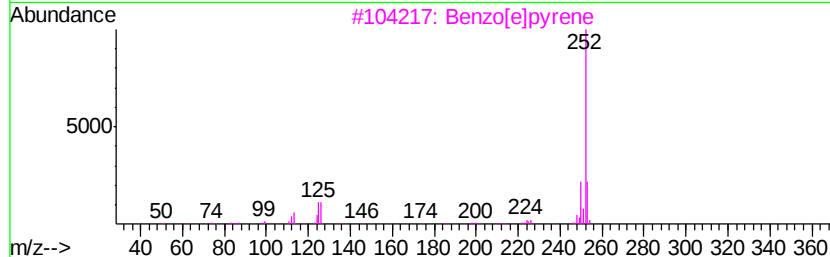
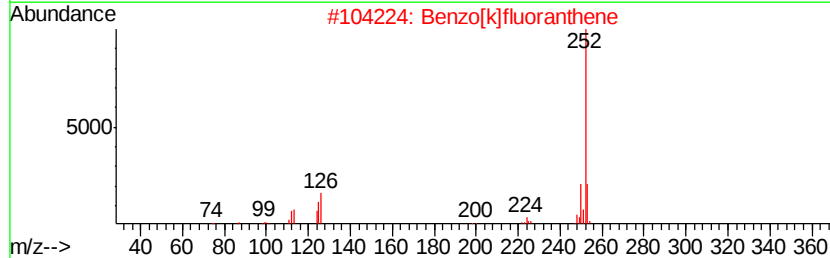
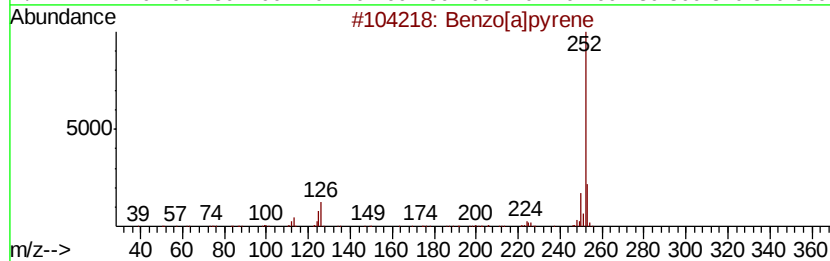
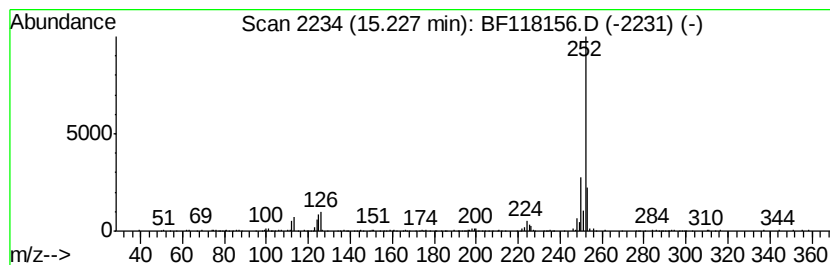
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	5.07 ng	204361	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3		Benzo[e]pyrene	252	C20H12	000192-97-2	90
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Perylene	252	C20H12	000198-55-0	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118156.D
Acq On : 9 Dec 2019 20:44
Operator : JU
Sample : K6117-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

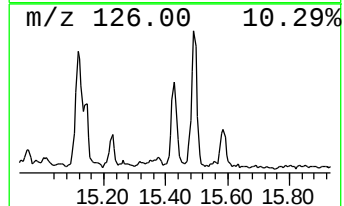
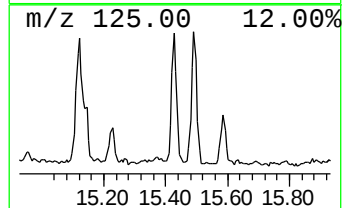
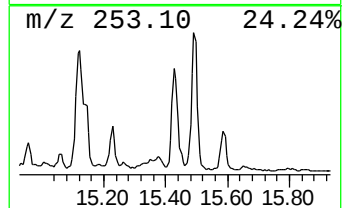
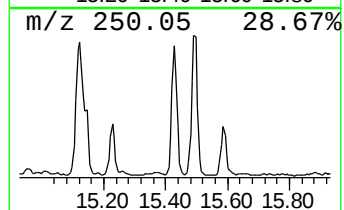
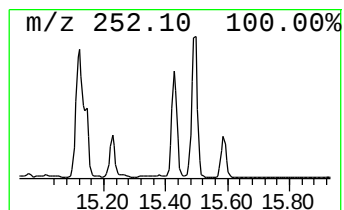
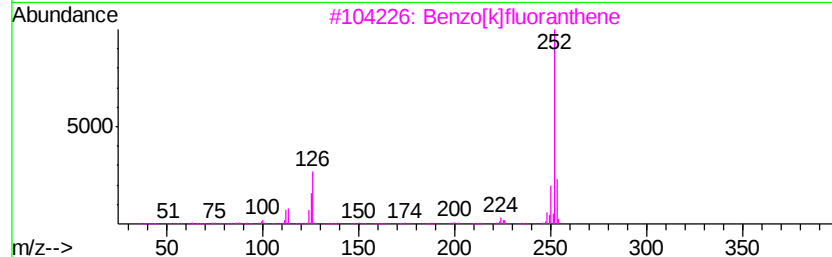
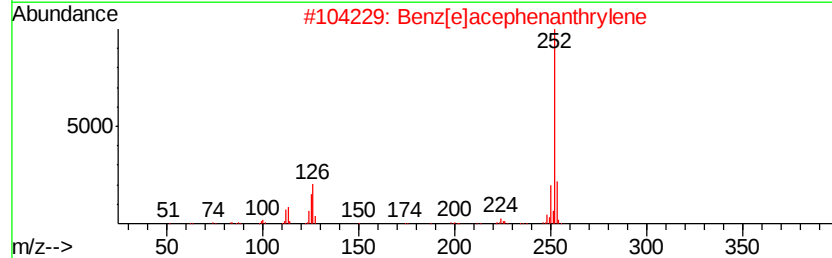
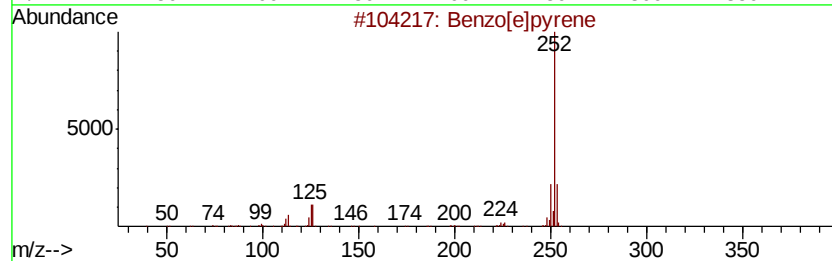
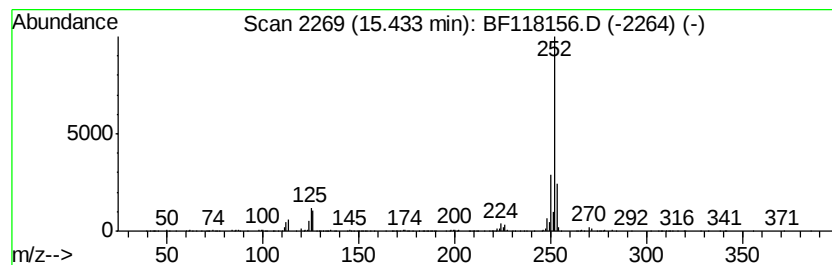
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	18.33 ng	738697	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120919\
 Data File : BF118156.D
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 Operator : JU
 Sample : K6117-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-120619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.12	8.8	ng	274763	1	6.87	620872	20.0
2-Pentanone, 4-hy...	5.07	11.8	ng	365556	1	6.87	620872	20.0
unknown6.64	6.64	66.9	ng	2075870	1	6.87	620872	20.0
Anthracene, 1-met...	11.91	7.3	ng	277558	4	11.40	758325	20.0
Phenanthrene, 2-m...	11.94	13.9	ng	526167	4	11.40	758325	20.0
1,2,4,8-Tetrameth...	12.20	5.1	ng	194556	4	11.40	758325	20.0
9,10-Dimethylantr...	12.46	17.9	ng	678464	4	11.40	758325	20.0
di-p-Tolylacetylene	12.50	9.4	ng	356214	4	11.40	758325	20.0
Cyclopenta(def)ph...	12.55	9.3	ng	351643	4	11.40	758325	20.0
Pyrene, 1-methyl-	13.07	5.9	ng	531736	5	14.06	1815680	20.0
Pyrene, 2-methyl-	13.39	5.3	ng	486122	5	14.06	1815680	20.0
Benzo[b]naphtho[2...	13.81	5.8	ng	523309	5	14.06	1815680	20.0
1-Pyrenecarboxald...	13.90	6.1	ng	551270	5	14.06	1815680	20.0
Benz[a]anthracene...	14.45	9.5	ng	858414	5	14.06	1815680	20.0
4,12-Dimethylbenz...	14.84	5.8	ng	233132	6	15.56	806102	20.0
Benz(a)anthracene...	14.88	6.6	ng	266233	6	15.56	806102	20.0
Benzo[e]pyrene	15.23	5.1	ng	204361	6	15.56	806102	20.0
Perylene	15.43	18.3	ng	738697	6	15.56	806102	20.0