

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
 Data File : BF119620.D
 Acq On : 28 Mar 2020 16:45
 Operator : CG/JU
 Sample : L1761-11
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032520

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-BF031820.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	5.045	498	503	514	rVB	878993	1172919	13.58%	0.698%
2	5.445	566	571	574	rBV	7344687	7989425	92.53%	4.756%
3	6.463	738	744	747	rBV	6474314	7550342	87.44%	4.495%
4	6.833	803	807	810	rBV	2311276	1823747	21.12%	1.086%
5	6.992	829	834	837	rBV	6919518	5861388	67.88%	3.489%
6	7.398	892	903	906	rBV	5486567	5101924	59.09%	3.037%
7	8.116	1020	1025	1027	rBV	2825518	2448630	28.36%	1.458%
8	8.139	1027	1029	1032	rVB	1439421	1025338	11.87%	0.610%
9	8.833	1142	1147	1150	rVB	1243016	1050817	12.17%	0.626%
10	8.933	1159	1164	1168	rBV	1120890	1019566	11.81%	0.607%
11	9.198	1204	1209	1212	rBV	9072164	7843208	90.83%	4.669%
12	9.463	1249	1254	1257	rVV	619374	855301	9.91%	0.509%
13	9.533	1261	1266	1269	rVV	1165431	1171865	13.57%	0.698%
14	9.563	1269	1271	1273	rVV	749578	598360	6.93%	0.356%
15	9.592	1273	1276	1280	rVV2	851605	918263	10.63%	0.547%
16	9.651	1283	1286	1291	rVB	624138	655173	7.59%	0.390%
17	9.733	1297	1300	1305	rVB	962795	892099	10.33%	0.531%
18	9.874	1322	1324	1327	rVV	2623563	2363952	27.38%	1.407%
19	9.910	1327	1330	1333	rVV	1592735	1339370	15.51%	0.797%
20	10.080	1355	1359	1363	rVV	1523935	1325816	15.35%	0.789%
21	10.116	1363	1365	1373	rVB	505787	536450	6.21%	0.319%
22	10.192	1374	1378	1381	rBV2	498862	496408	5.75%	0.296%
23	10.286	1389	1394	1395	rBV2	292426	391349	4.53%	0.233%
24	10.310	1395	1398	1400	rVV2	365881	405213	4.69%	0.241%
25	10.427	1414	1418	1423	rVB	2107995	2149456	24.89%	1.280%
26	10.492	1423	1429	1430	rBV2	376406	468146	5.42%	0.279%
27	10.533	1434	1436	1439	rVV2	375856	361304	4.18%	0.215%
28	10.580	1441	1444	1448	rVB2	507402	457137	5.29%	0.272%
29	10.663	1453	1458	1462	rBV	4726637	4841390	56.07%	2.882%
30	10.786	1476	1479	1486	rVB	772102	898908	10.41%	0.535%
31	10.974	1506	1511	1513	rVV2	739458	962251	11.14%	0.573%
32	10.998	1513	1515	1519	rVV2	572235	649821	7.53%	0.387%
33	11.057	1522	1525	1528	rVV	500562	506699	5.87%	0.302%
34	11.104	1528	1533	1535	rVV3	274453	500061	5.79%	0.298%

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35	11.169	1541	1544	1548	rVV3	350720	430548	4.99%	0.256%
36	11.233	1553	1555	1557	rVV	476206	420418	4.87%	0.250%
37	11.263	1557	1560	1565	rVB	1040161	1023700	11.86%	0.609%
38	11.363	1574	1577	1579	rBV	2016268	2051175	23.75%	1.221%
39	11.392	1579	1582	1585	rVV	7632856	7448316	86.26%	4.434%
40	11.439	1587	1590	1593	rVB	2754505	2313881	26.80%	1.377%
41	11.474	1593	1596	1599	rBV2	387801	435402	5.04%	0.259%
42	11.592	1610	1616	1619	rBV	709341	798920	9.25%	0.476%
43	11.663	1625	1628	1630	rBV	626432	430633	4.99%	0.256%
44	11.698	1630	1634	1639	rVB2	500567	543523	6.29%	0.324%
45	11.763	1642	1645	1646	rBV	548596	444893	5.15%	0.265%
46	11.780	1646	1648	1652	rVB	382190	341050	3.95%	0.203%
47	11.868	1659	1663	1665	rBV	1820714	1548144	17.93%	0.922%
48	11.898	1665	1668	1672	rVV	3098983	2742109	31.76%	1.632%
49	11.945	1672	1676	1679	rVV	799721	780077	9.03%	0.464%
50	11.980	1679	1682	1684	rVV	2918954	2991098	34.64%	1.781%
51	12.004	1684	1686	1690	rVB	1364734	1110413	12.86%	0.661%
52	12.068	1695	1697	1700	rVV	387119	355892	4.12%	0.212%
53	12.163	1710	1713	1715	rVV	948072	794537	9.20%	0.473%
54	12.186	1715	1717	1720	rVB2	352508	354143	4.10%	0.211%
55	12.310	1736	1738	1741	rVV	431375	440032	5.10%	0.262%
56	12.345	1741	1744	1746	rVV	608091	580357	6.72%	0.345%
57	12.368	1746	1748	1750	rVB	441855	342535	3.97%	0.204%
58	12.416	1750	1756	1759	rBV	1292493	1528648	17.70%	0.910%
59	12.451	1759	1762	1764	rVV2	2022037	2374860	27.50%	1.414%
60	12.468	1764	1765	1768	rVV2	2053598	1606983	18.61%	0.957%
61	12.504	1768	1771	1776	rVB2	563567	836796	9.69%	0.498%
62	12.586	1781	1785	1788	rVV	7488149	7278942	84.30%	4.333%
63	12.680	1798	1801	1803	rVV2	666233	663848	7.69%	0.395%
64	12.733	1807	1810	1814	rVV3	418864	540402	6.26%	0.322%
65	12.815	1817	1824	1829	rVV	7059342	8634765	100.00%	5.140%
66	12.868	1829	1833	1836	rVB2	455981	675731	7.83%	0.402%
67	12.927	1836	1843	1844	rBV2	543361	651114	7.54%	0.388%
68	12.957	1844	1848	1854	rVB	6397662	6160070	71.34%	3.667%
69	13.027	1855	1860	1863	rBV3	788473	1178519	13.65%	0.702%
70	13.115	1872	1875	1876	rVV2	611120	618867	7.17%	0.368%
71	13.139	1876	1879	1882	rVB	1724471	1593014	18.45%	0.948%

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72	13.204	1885	1890	1893	rVV	1402265	1313650	15.21%	0.782%
73	13.245	1893	1897	1900	rVV2	1249937	1281906	14.85%	0.763%
74	13.333	1909	1912	1915	rVV	903111	744733	8.62%	0.443%
75	13.363	1915	1917	1921	rVB	906571	781134	9.05%	0.465%
76	13.645	1963	1965	1970	rVB	438969	540315	6.26%	0.322%
77	13.757	1979	1984	1987	rBV2	745058	1120285	12.97%	0.667%
78	13.786	1987	1989	1991	rVV	716609	593210	6.87%	0.353%
79	13.810	1991	1993	1997	rVV2	530429	660017	7.64%	0.393%
80	13.862	2000	2002	2011	rVB4	651798	1132626	13.12%	0.674%
81	14.004	2021	2026	2029	rBV2	4292220	5668454	65.65%	3.374%
82	14.039	2029	2032	2037	rVB	3342533	3318016	38.43%	1.975%
83	14.115	2043	2045	2048	rVB	624283	432119	5.00%	0.257%
84	14.227	2061	2064	2068	rBV3	240038	351881	4.08%	0.209%
85	14.398	2089	2093	2096	rVV	1040530	1211951	14.04%	0.721%
86	14.427	2096	2098	2101	rVV	551890	484627	5.61%	0.289%
87	14.486	2105	2108	2111	rVV2	780963	950446	11.01%	0.566%
88	14.521	2111	2114	2116	rVV	676998	834691	9.67%	0.497%
89	14.539	2116	2117	2121	rVB2	575656	473552	5.48%	0.282%
90	14.792	2156	2160	2163	rBV2	445213	615964	7.13%	0.367%
91	15.051	2199	2204	2207	rBV	2292875	3692561	42.76%	2.198%
92	15.133	2215	2218	2220	rBV2	368351	441076	5.11%	0.263%
93	15.156	2220	2222	2225	rVB	577669	508409	5.89%	0.303%
94	15.351	2251	2255	2261	rVB	1408045	1959297	22.69%	1.166%
95	15.415	2261	2266	2272	rBV	2283369	2957833	34.25%	1.761%
96	15.474	2272	2276	2279	rVV	1168560	1539696	17.83%	0.917%
97	15.509	2279	2282	2288	rVB3	915252	1381052	15.99%	0.822%
98	15.956	2354	2358	2362	rBV	344416	502927	5.82%	0.299%
99	16.939	2520	2525	2534	rVB2	821339	1612048	18.67%	0.960%
100	17.380	2595	2600	2612	rVB	594731	1180572	13.67%	0.703%

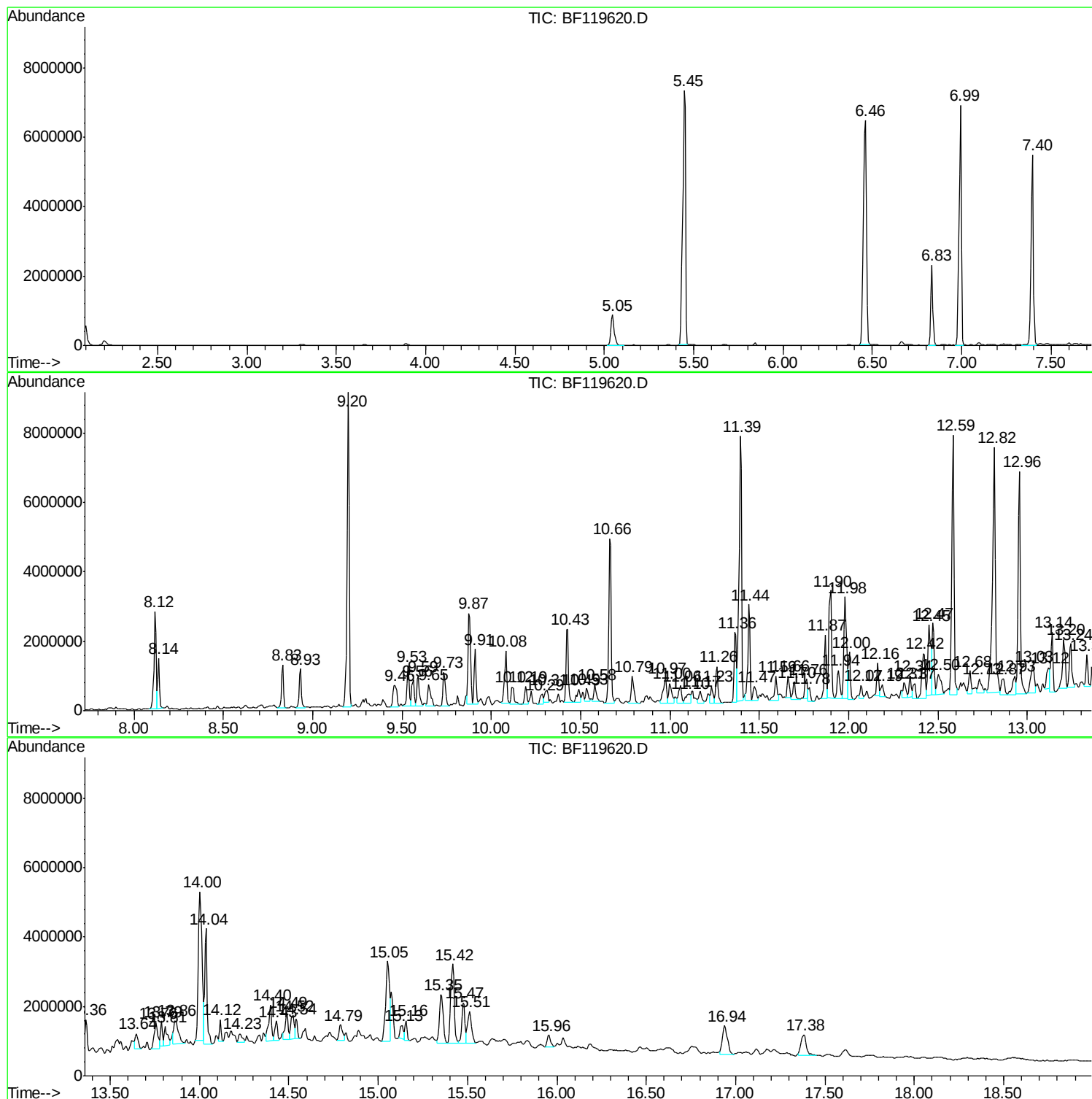
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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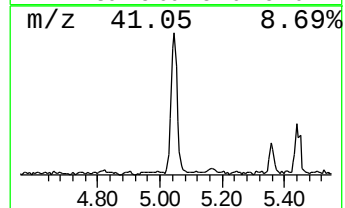
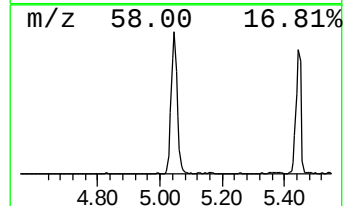
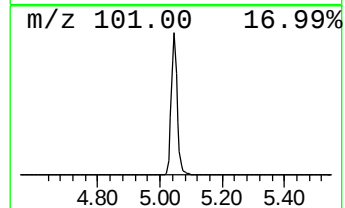
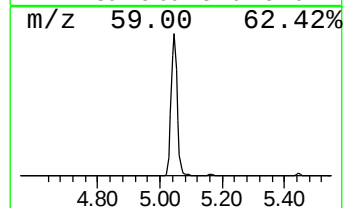
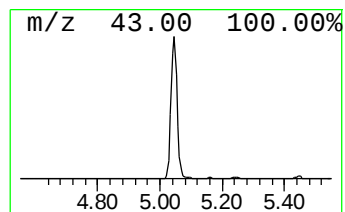
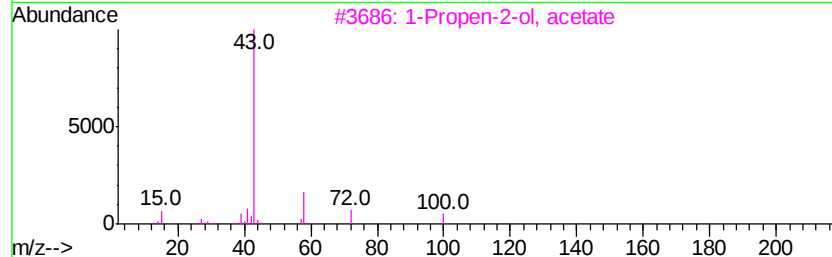
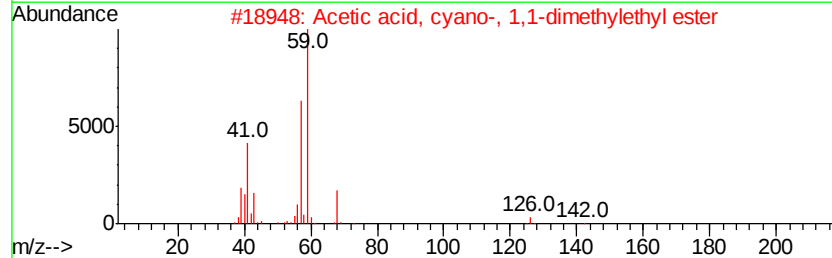
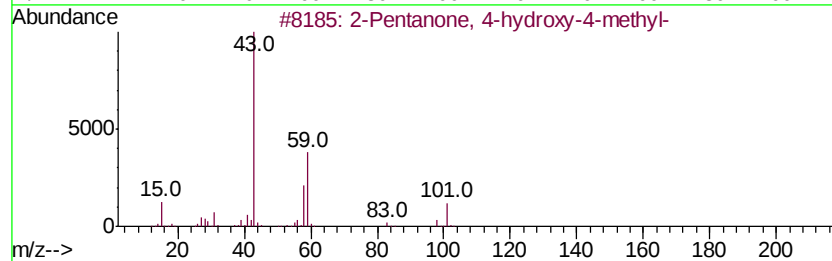
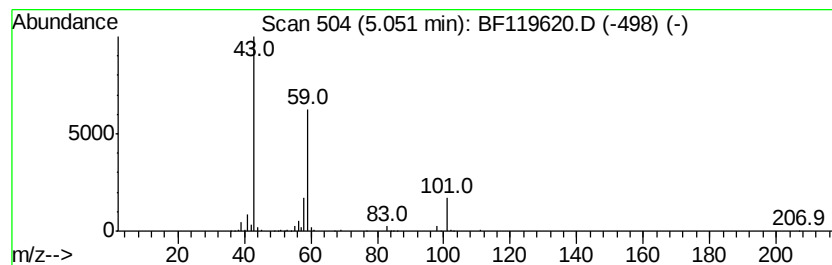
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	12.86 ng	1172920	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4		Guanidine	59	CH5N3	000113-00-8	9
5		Acetone	58	C3H6O	000067-64-1	9



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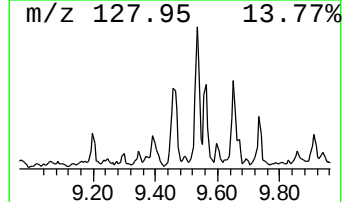
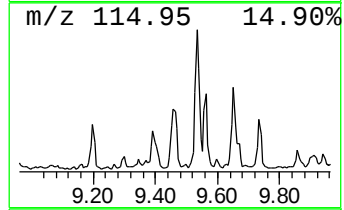
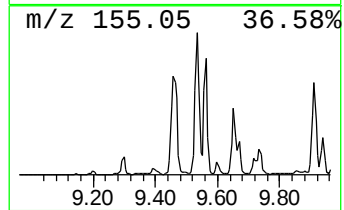
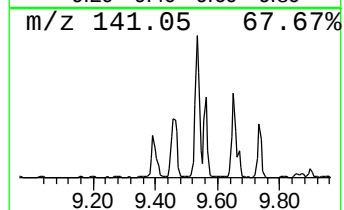
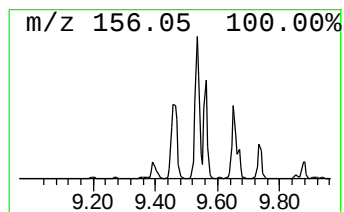
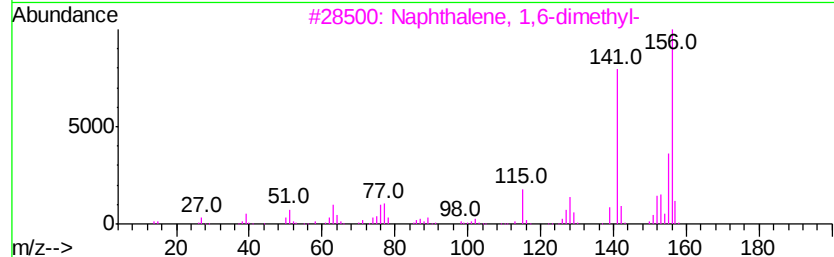
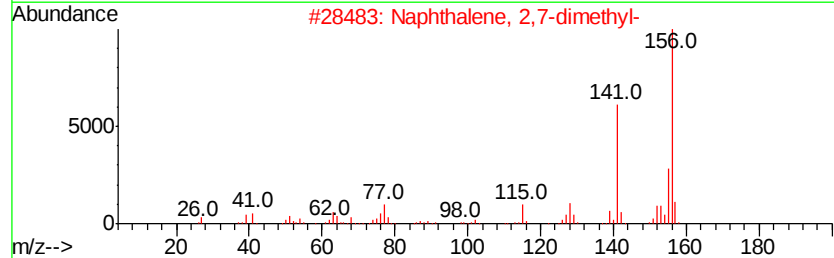
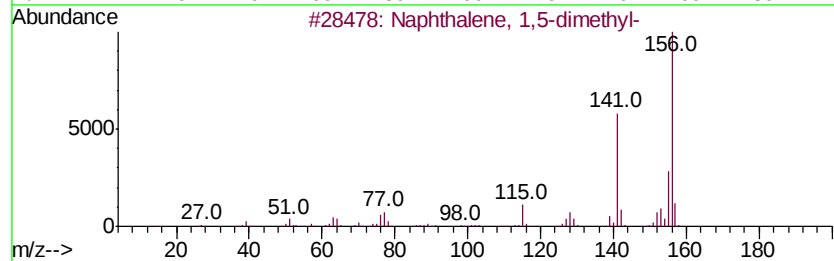
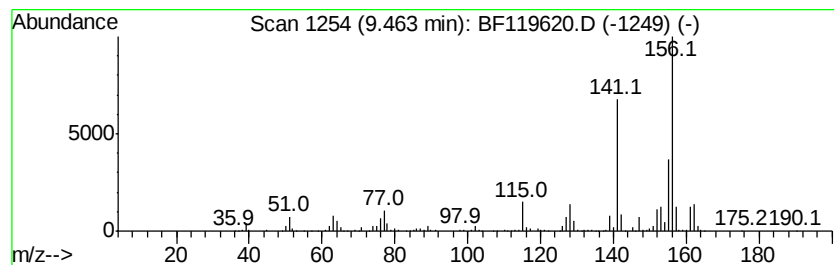
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.46	7.24 ng	855301	Acenaphthene-d10		9.87	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



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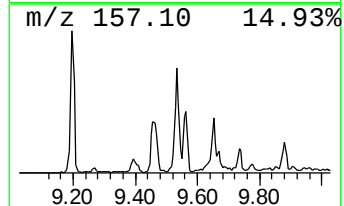
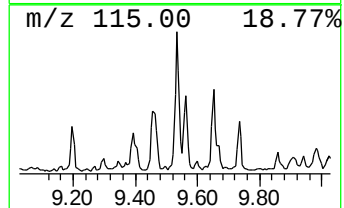
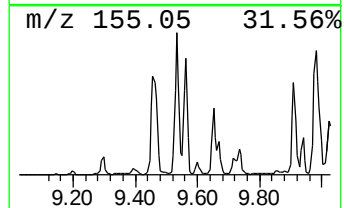
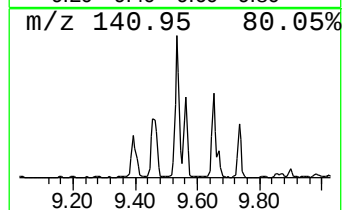
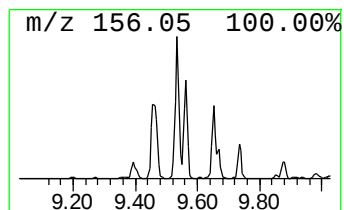
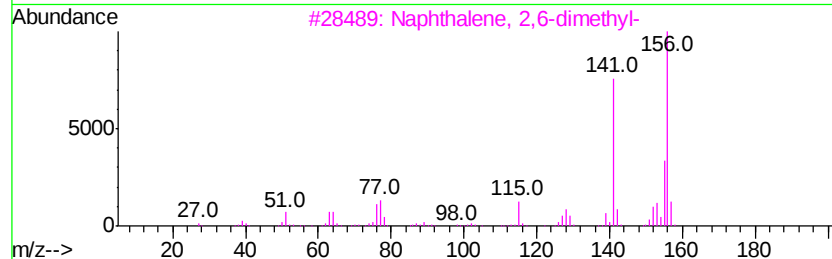
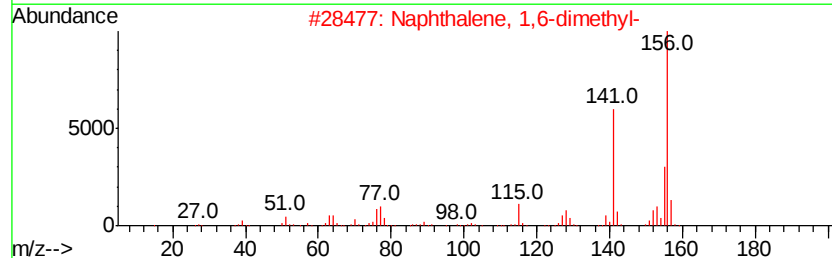
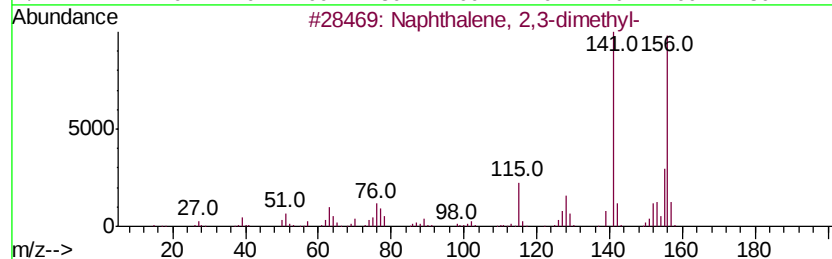
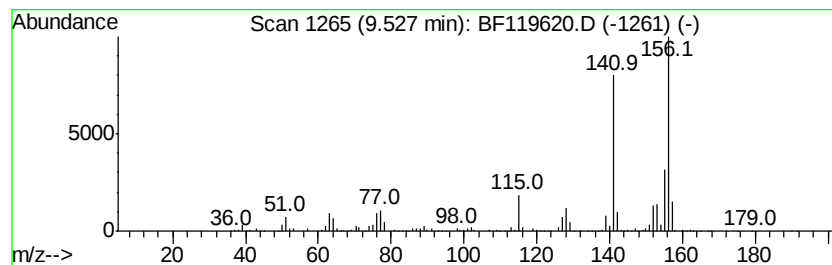
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	9.91 ng	1171870	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
Sample : L1761-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-032520

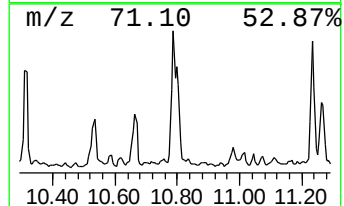
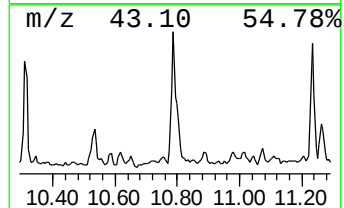
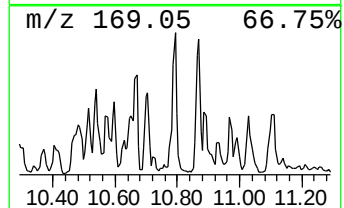
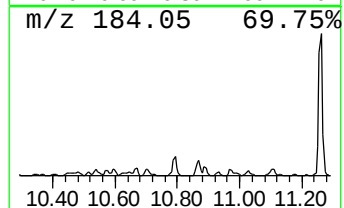
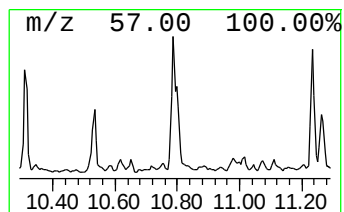
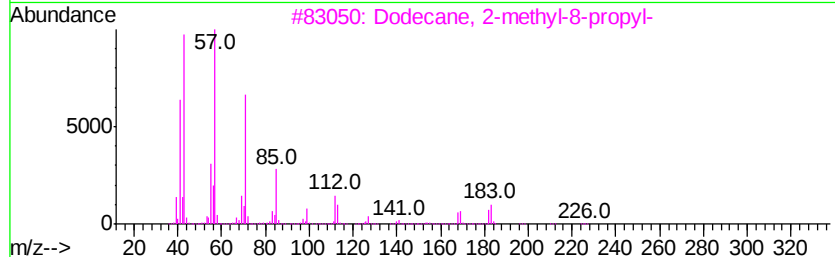
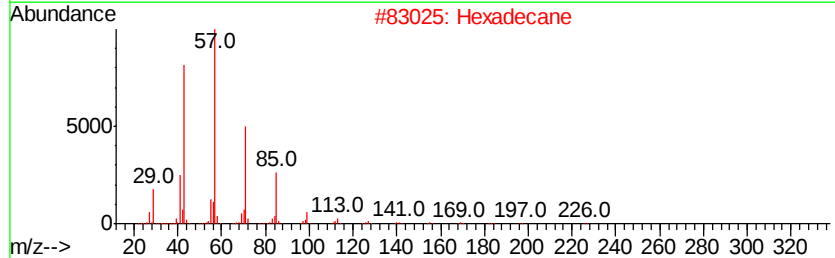
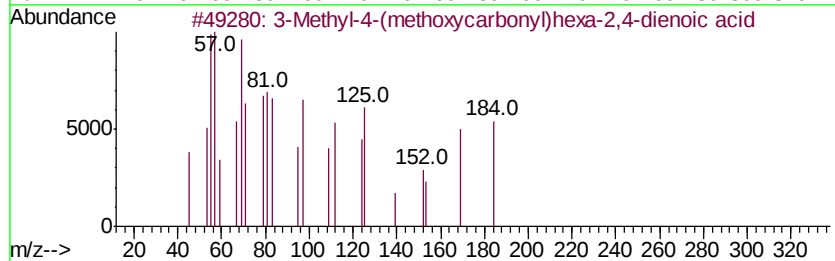
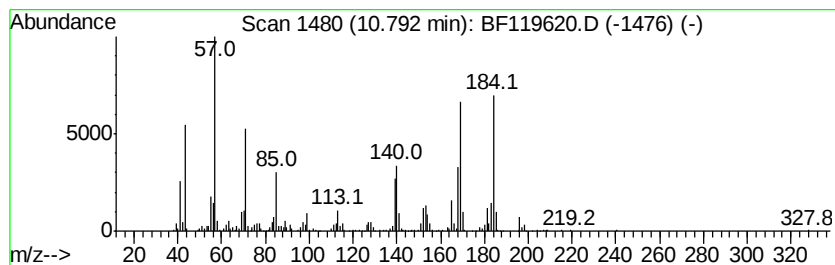
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 3-Methyl-4-(methoxycarbonyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	8.76 ng	898908	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	89
2		Hexadecane	226	C16H34	000544-76-3	46
3		Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	46
4		Eicosane	282	C20H42	000112-95-8	42
5		Tetradecane	198	C14H30	000629-59-4	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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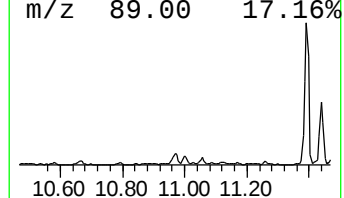
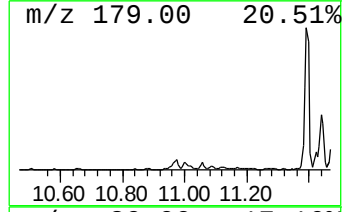
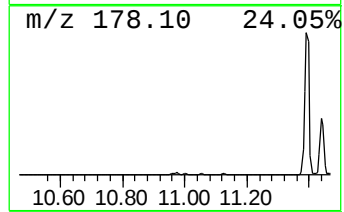
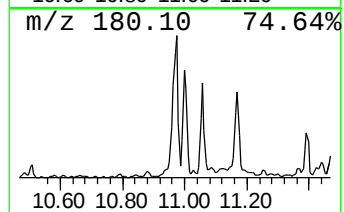
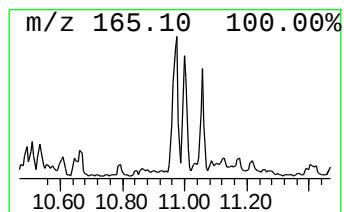
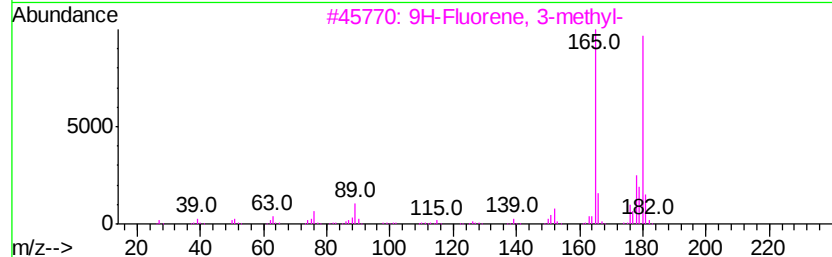
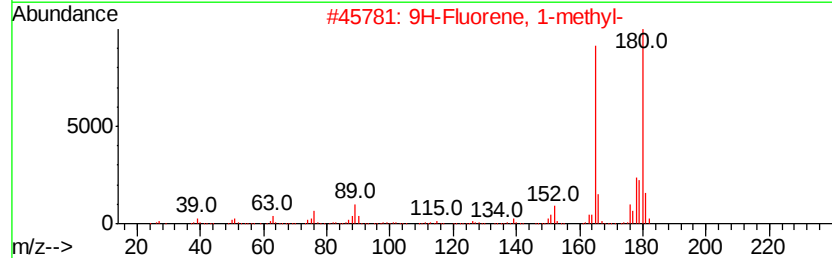
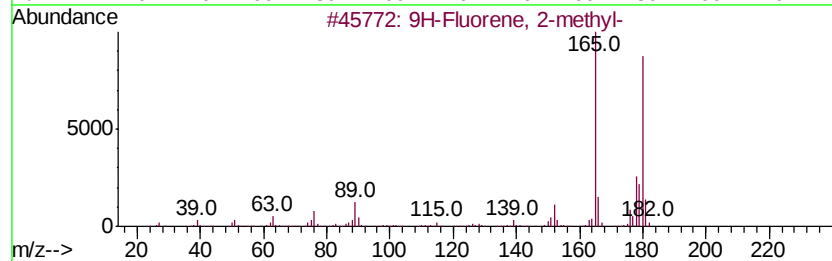
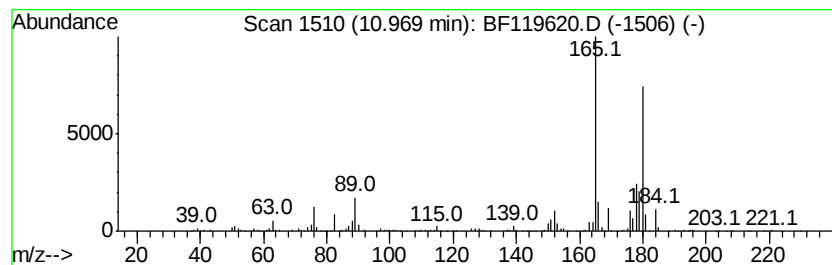
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	9.38 ng	962251	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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Operator : CG/JU
Sample : L1761-11
Misc :
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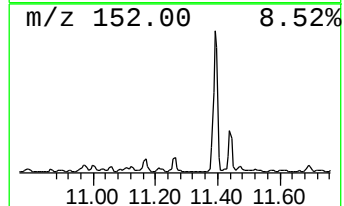
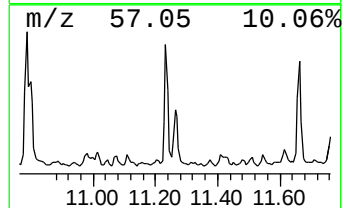
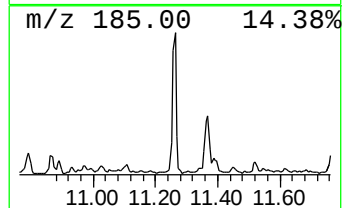
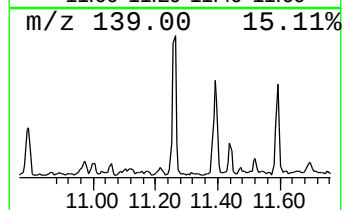
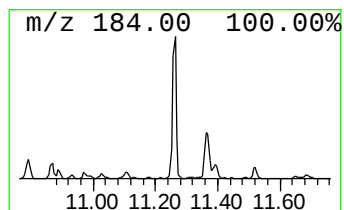
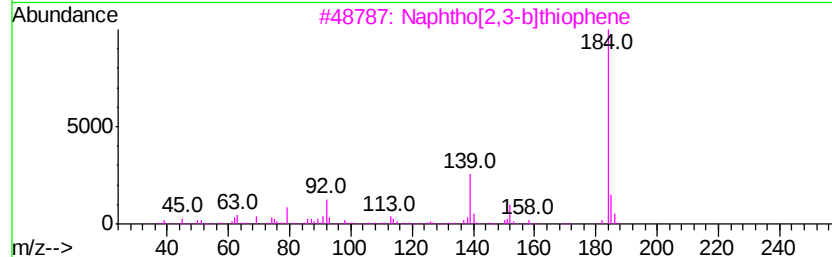
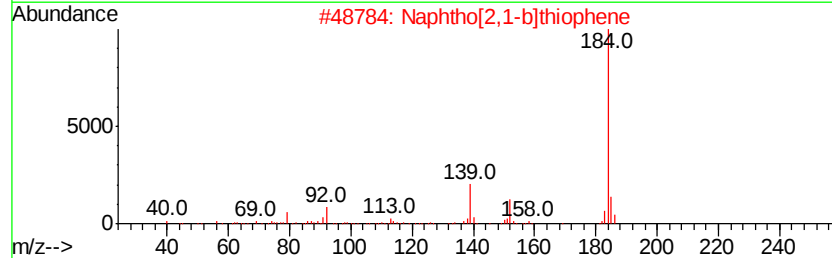
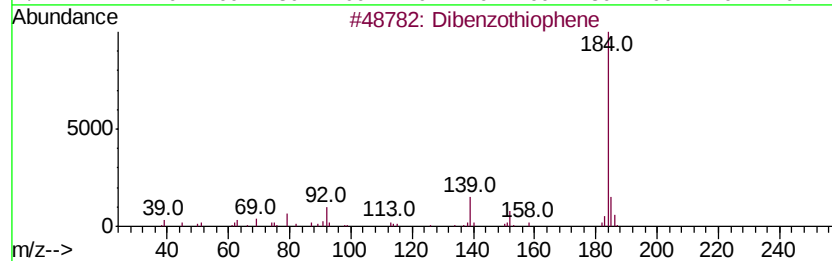
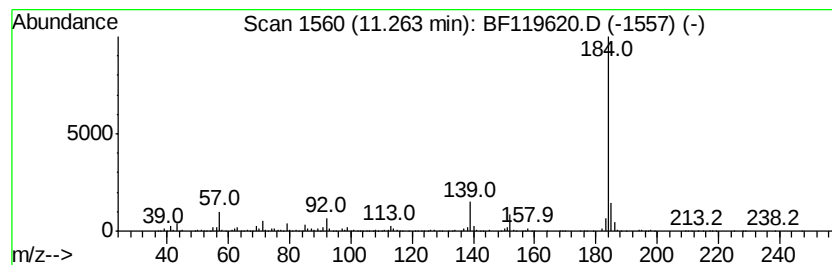
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.26	9.98 ng	1023700	Phenanthrene-d10		11.36	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	93
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
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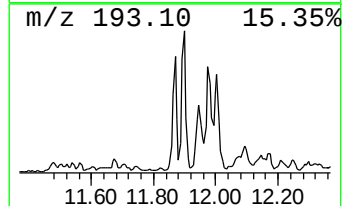
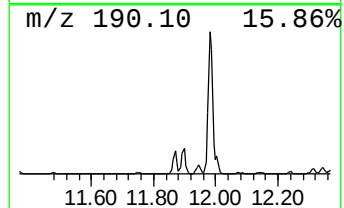
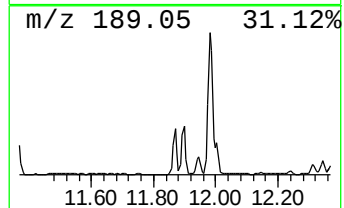
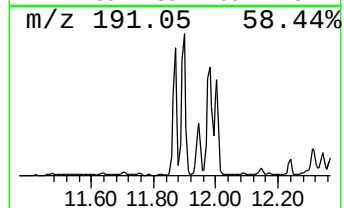
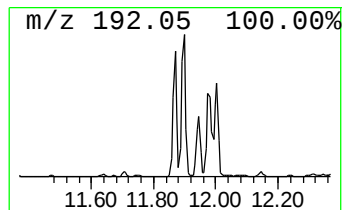
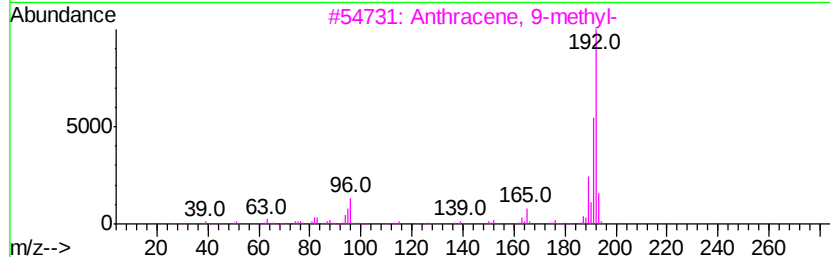
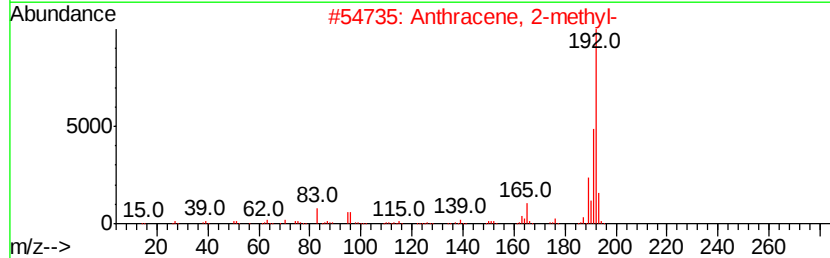
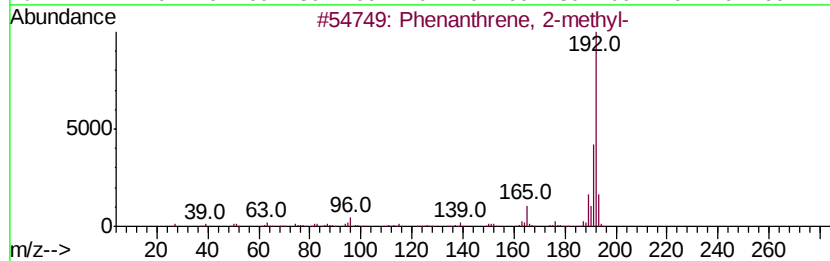
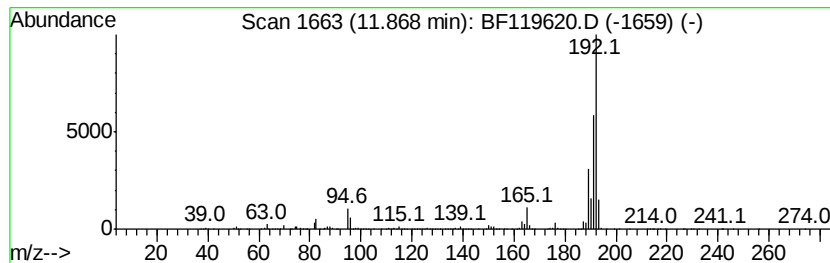
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	15.10 ng	1548140	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
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Misc :
ALS Vial : 50 Sample Multiplier: 1

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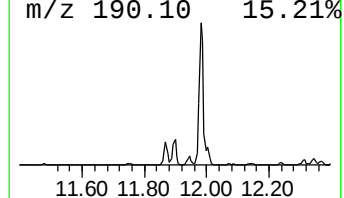
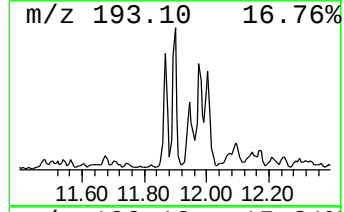
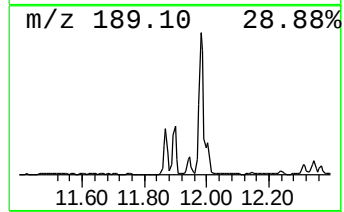
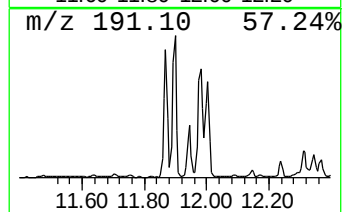
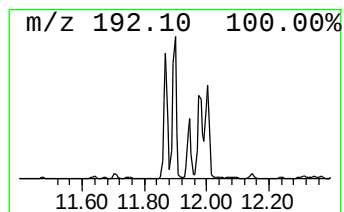
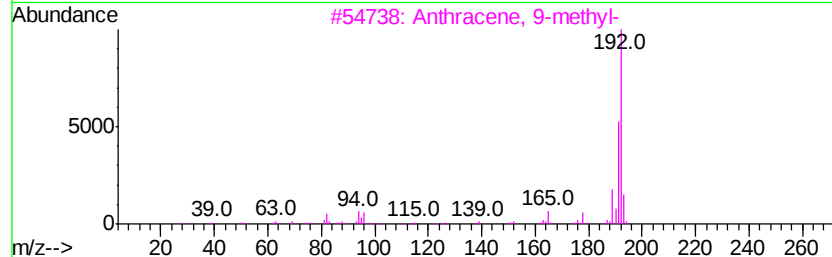
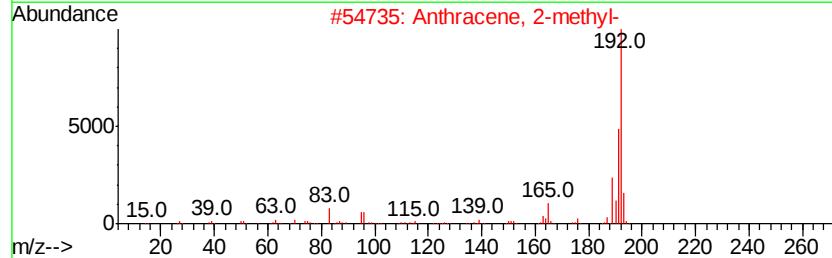
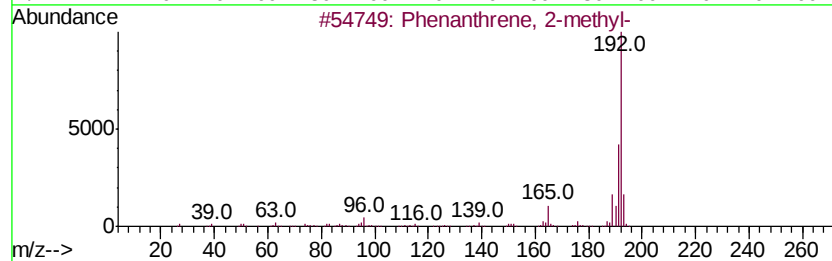
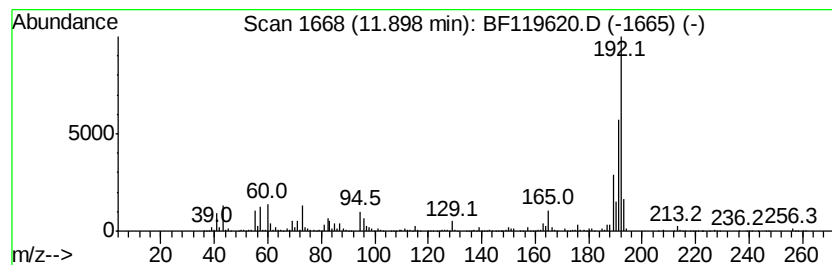
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	26.74 ng	2742110	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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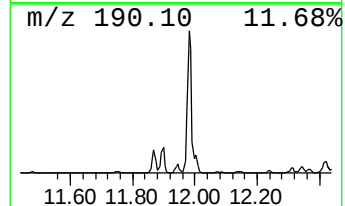
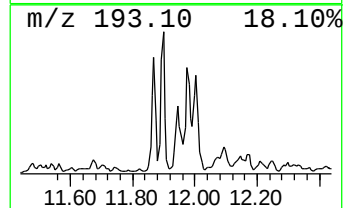
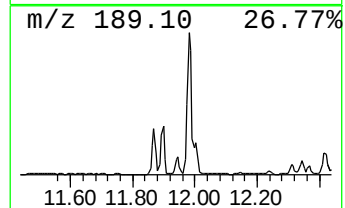
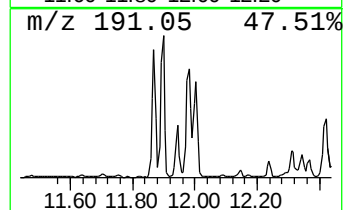
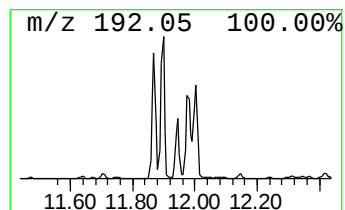
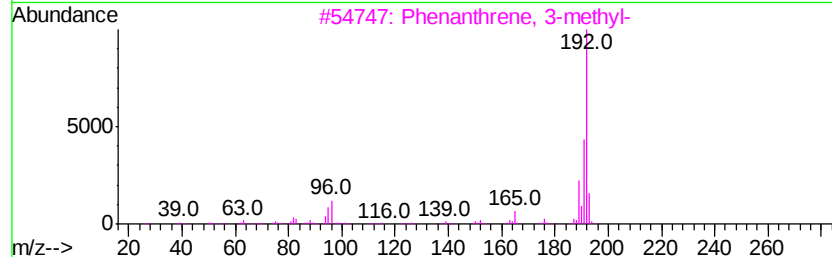
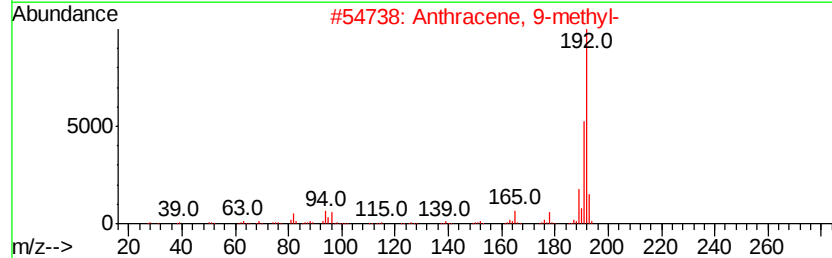
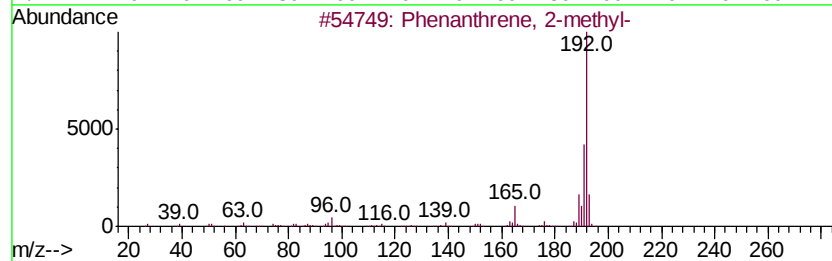
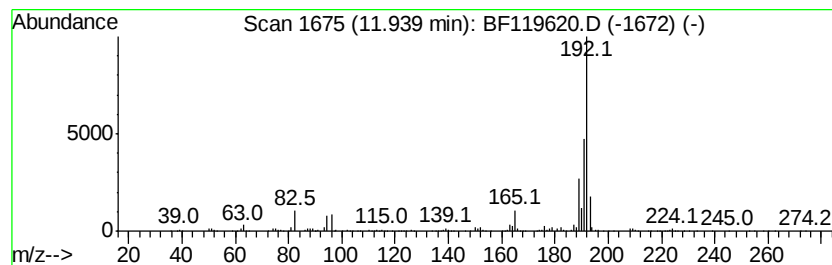
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.61 ng	780077	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
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ALS Vial : 50 Sample Multiplier: 1

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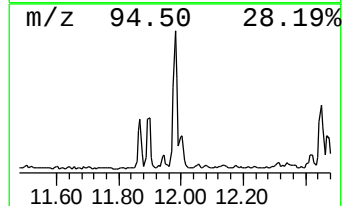
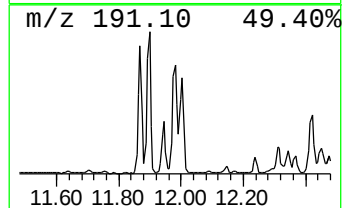
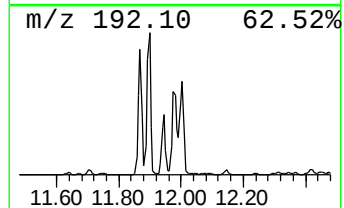
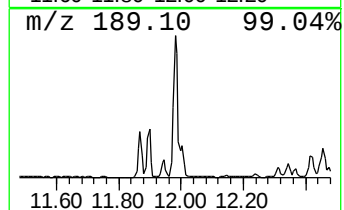
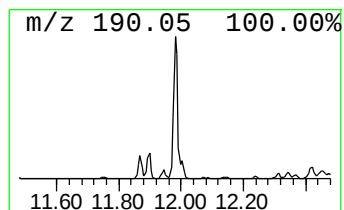
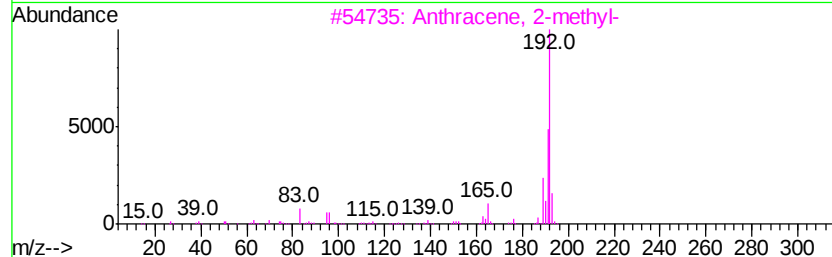
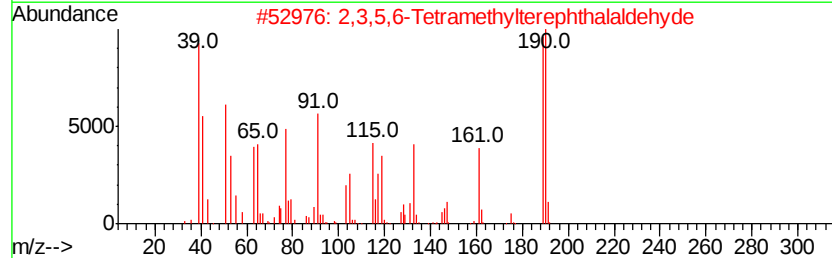
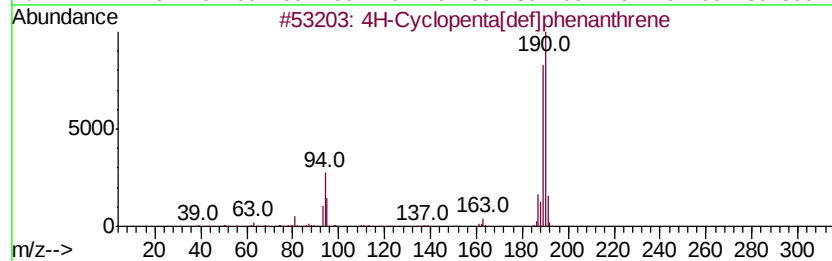
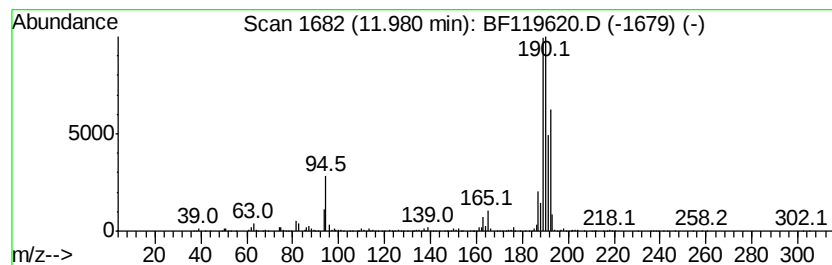
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	29.16 ng	2991100	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
Sample : L1761-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SU-02-032520

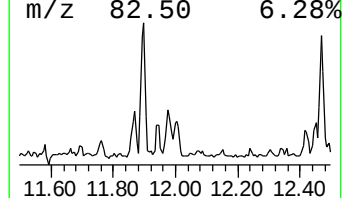
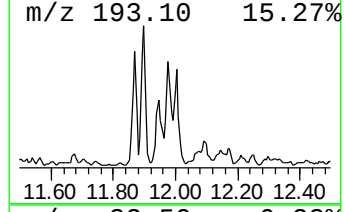
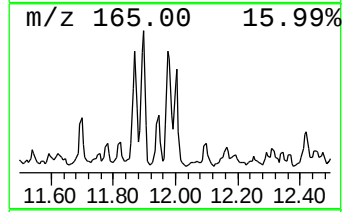
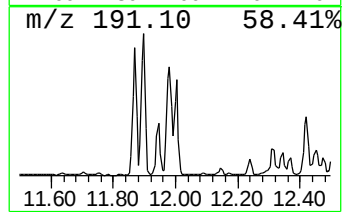
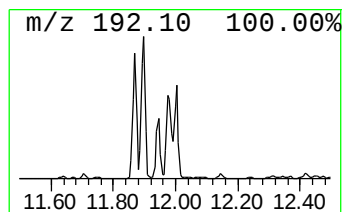
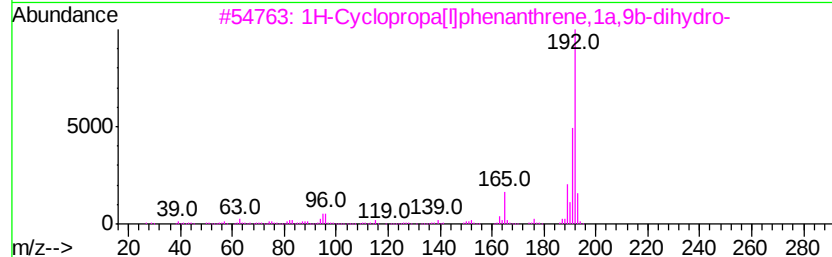
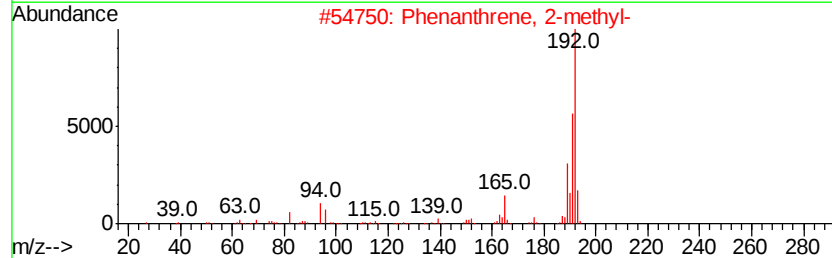
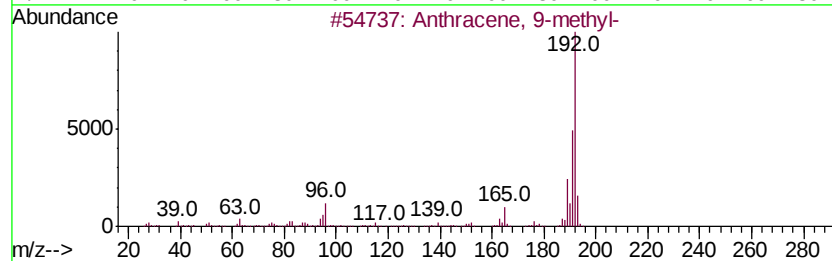
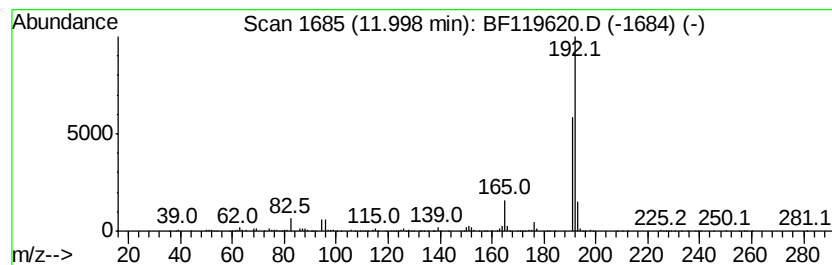
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	10.83 ng	1110410	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	91
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
Sample : L1761-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-032520

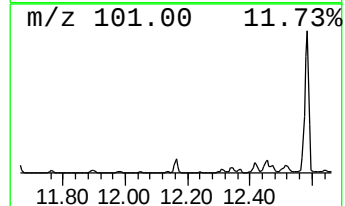
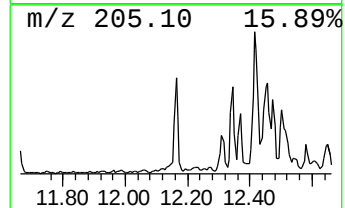
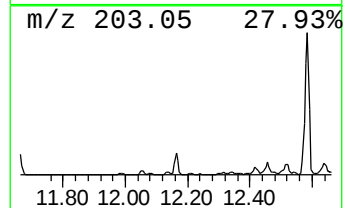
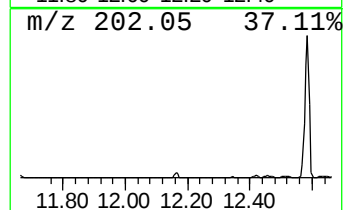
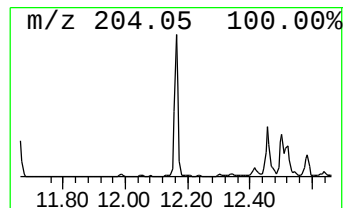
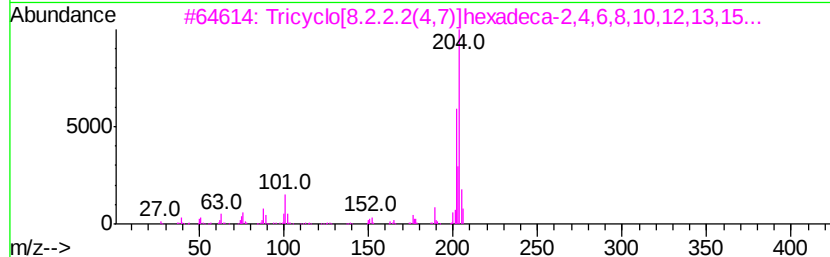
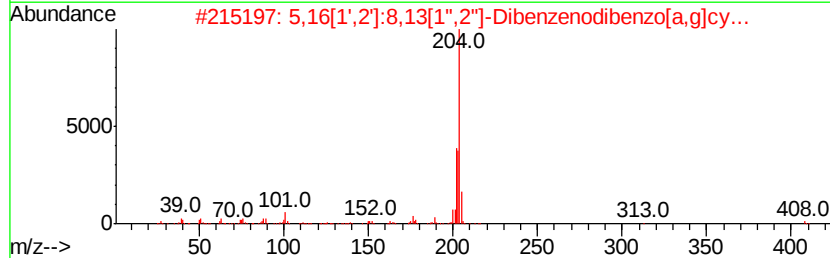
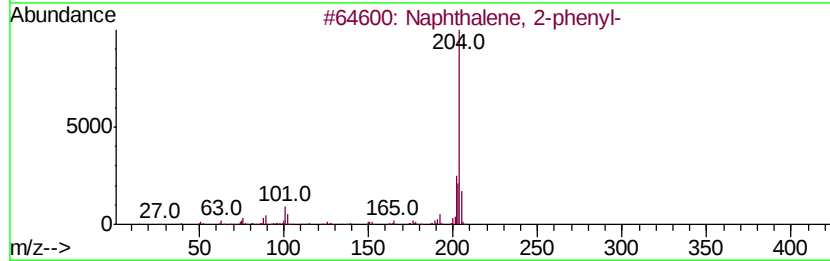
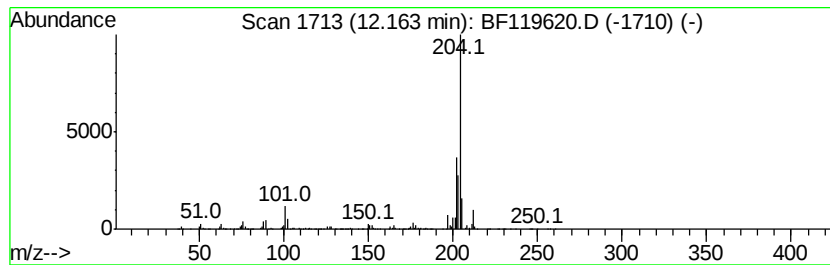
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	7.75 ng	794537	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3		Tricvclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
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Misc :
ALS Vial : 50 Sample Multiplier: 1

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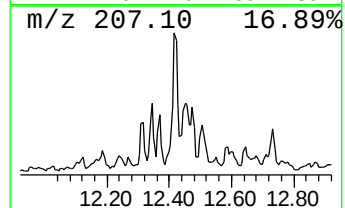
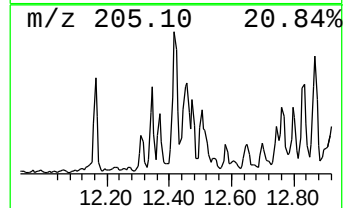
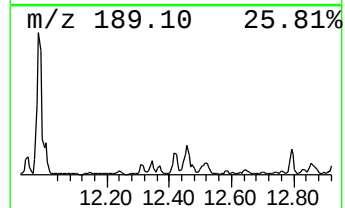
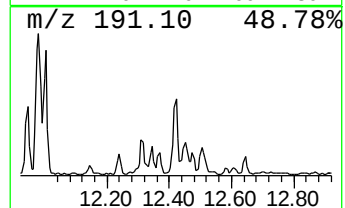
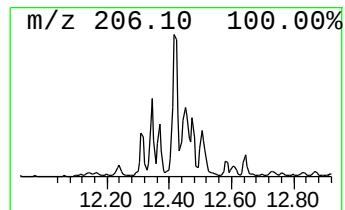
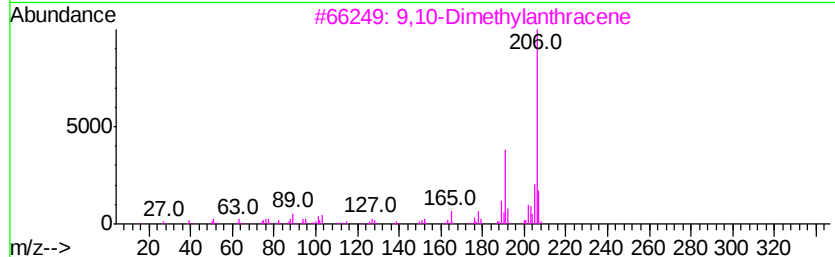
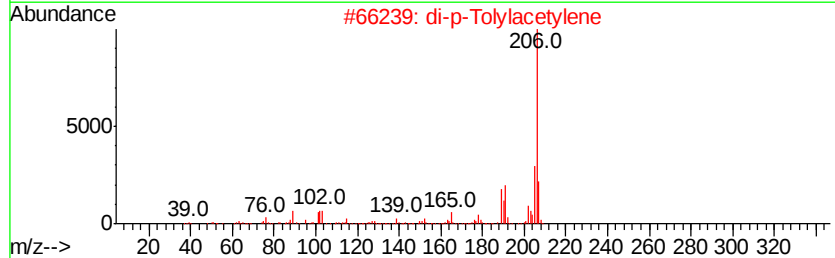
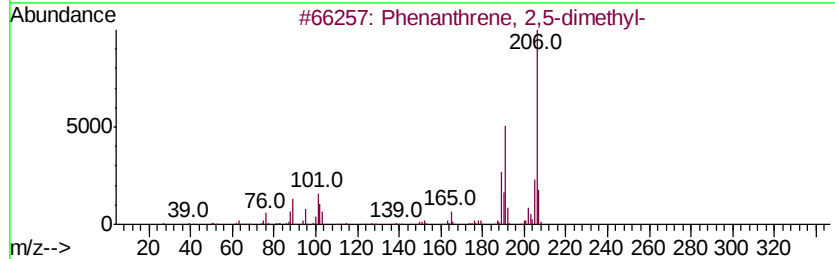
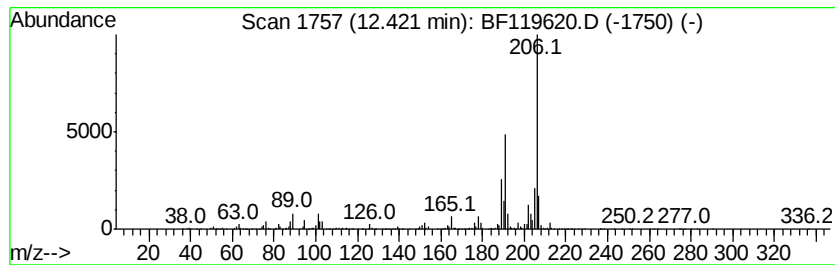
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	14.91 ng	1528650	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
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Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-032520

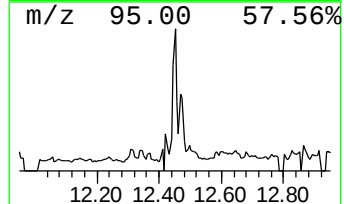
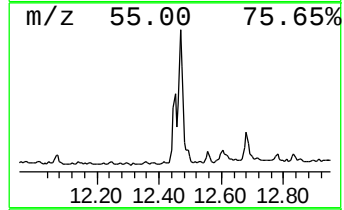
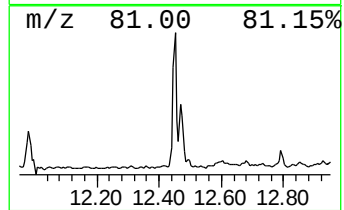
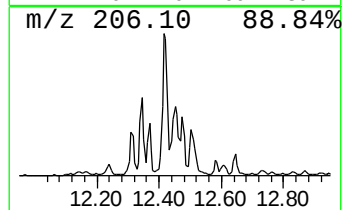
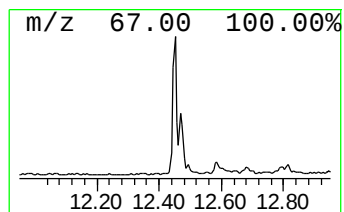
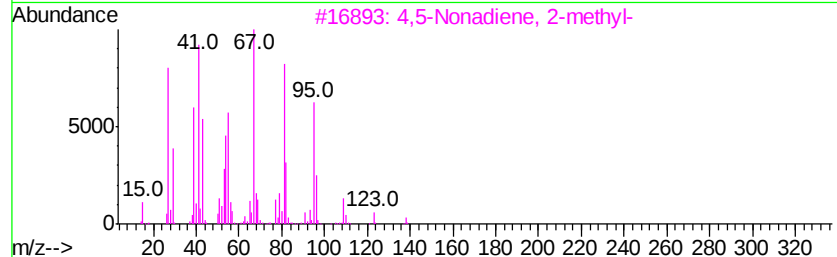
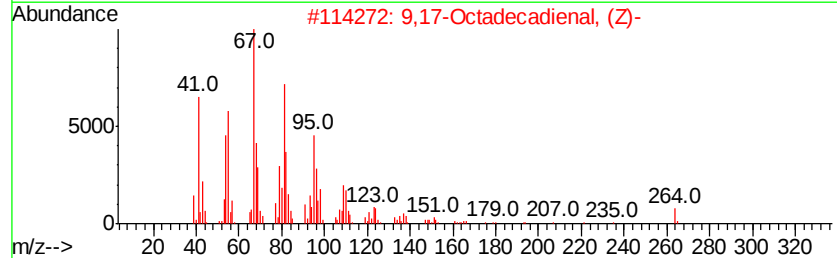
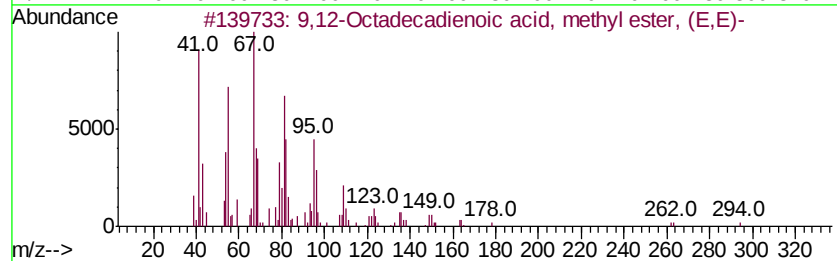
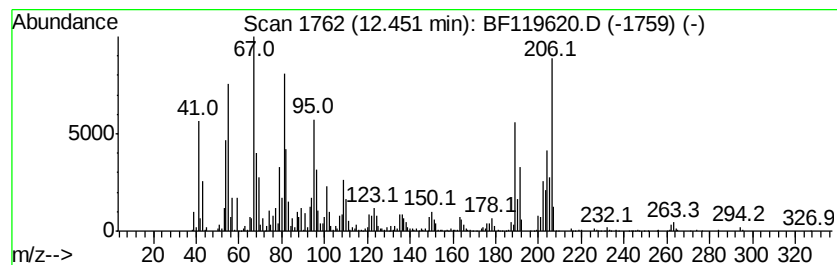
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	23.16 ng	2374860	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	92
2		9,17-Octadecadienal, (Z)-	264	C18H32O	056554-35-9	46
3		4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	46
4		2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	46
5		7-Hexadecyne	222	C16H30	074685-28-2	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
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Misc :
ALS Vial : 50 Sample Multiplier: 1

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ClientSampleId :
SU-02-032520

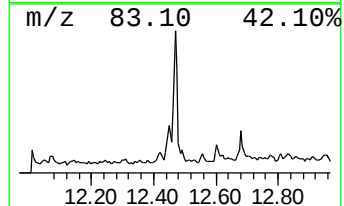
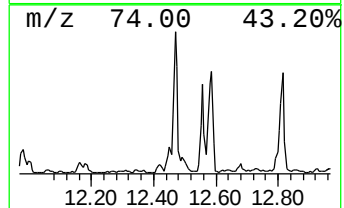
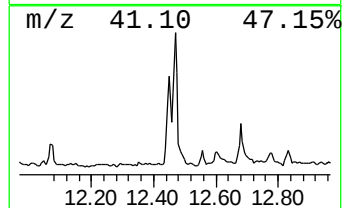
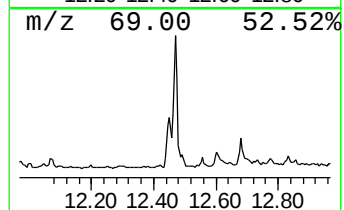
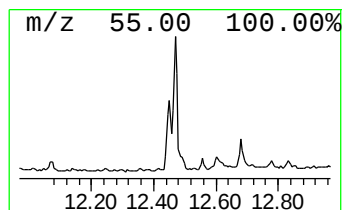
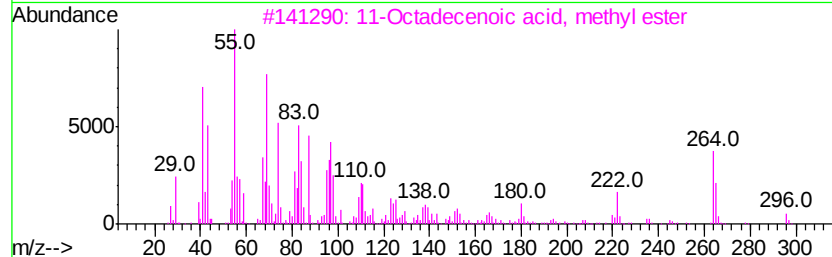
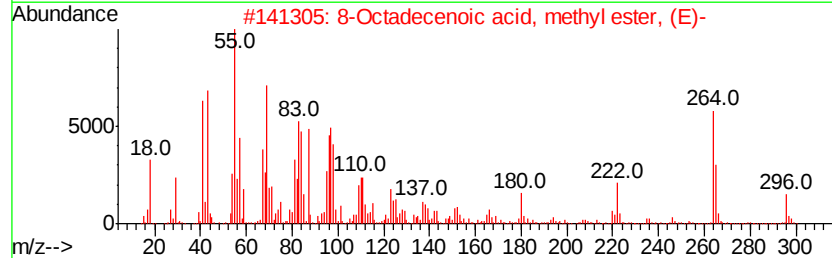
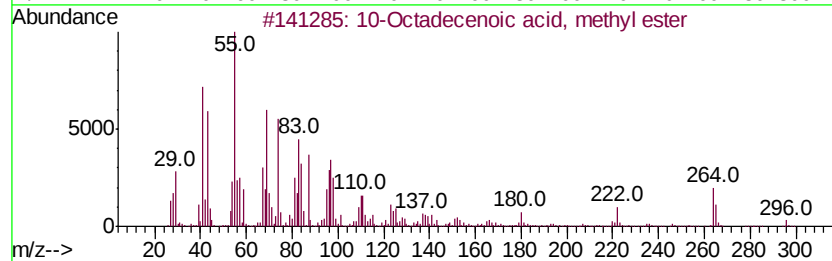
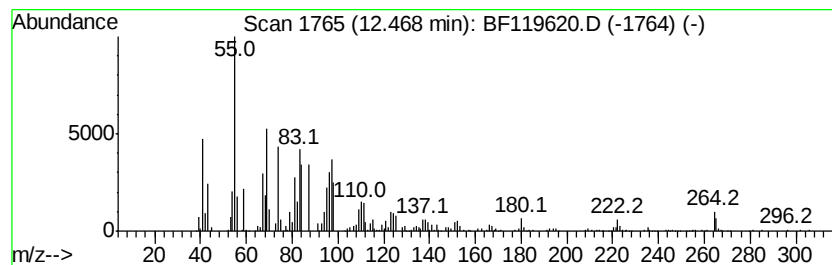
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 10-Octadecenoic acid, methyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	15.67 ng	1606980	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2			8-Octadecenoic acid, methyl ester...	296	C19H36O2	026528-50-7	99
3			11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
4			11-Octadecenoic acid, methyl ester...	296	C19H36O2	001937-63-9	98
5			trans-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-61-3	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
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ALS Vial : 50 Sample Multiplier: 1

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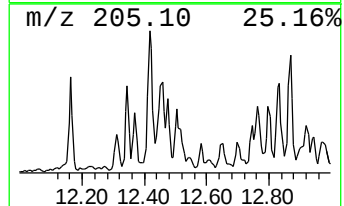
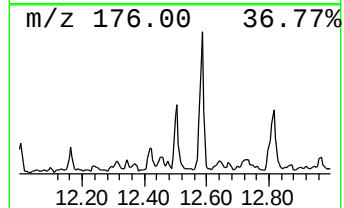
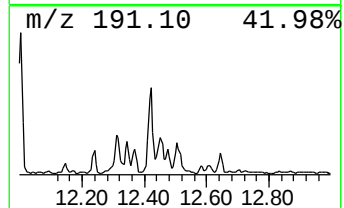
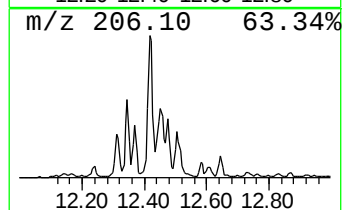
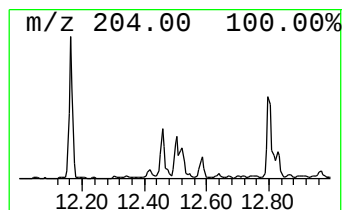
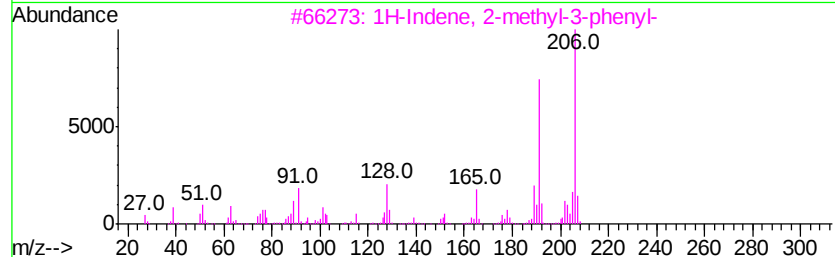
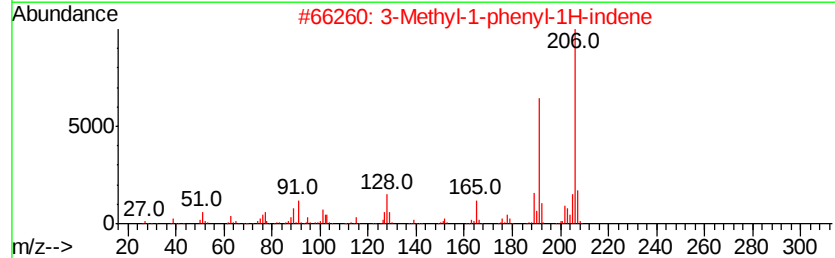
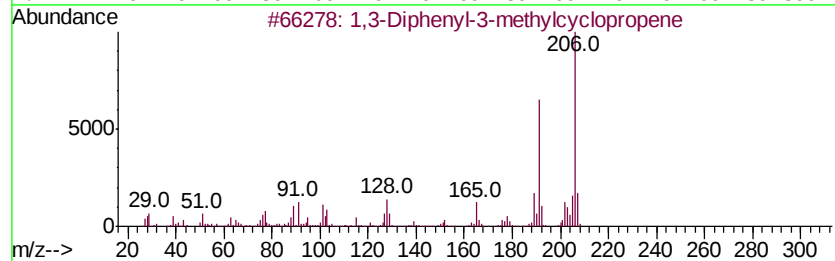
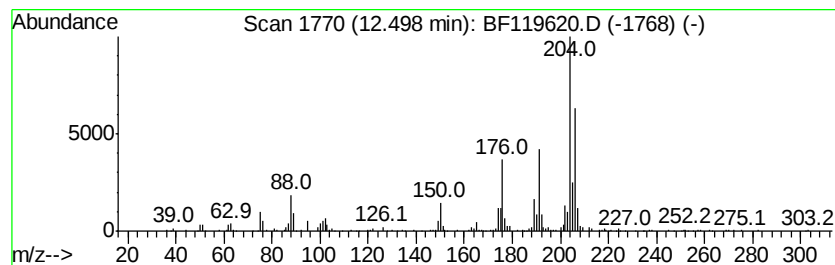
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,3-Diphenyl-3-methylcyclop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	8.16 ng	836796	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87
2		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	87
3		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	70
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	70
5		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
Sample : L1761-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

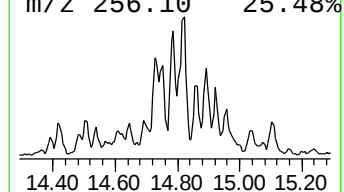
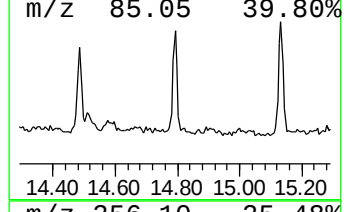
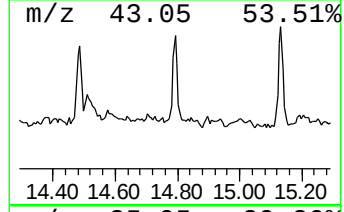
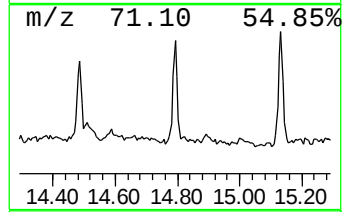
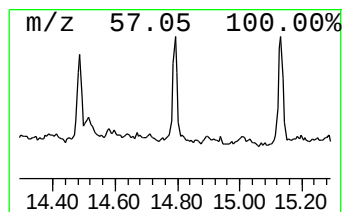
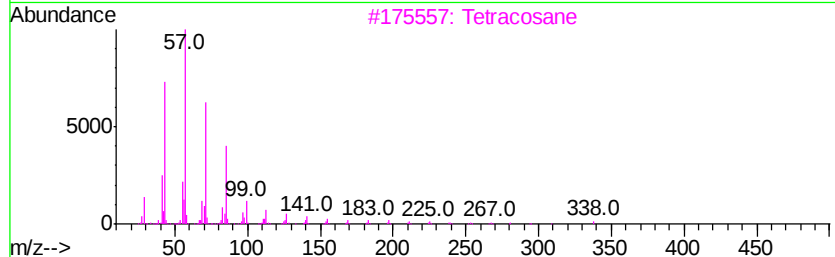
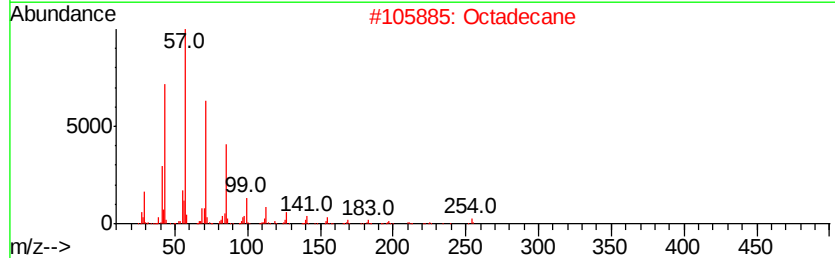
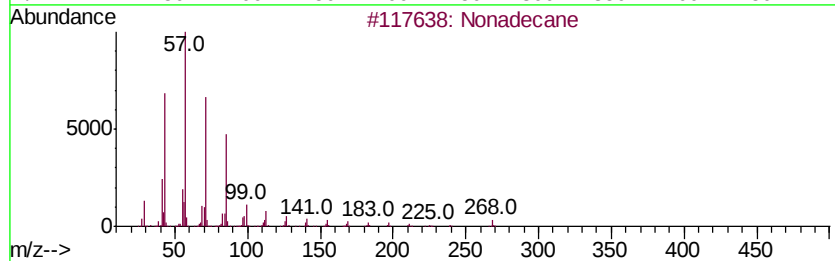
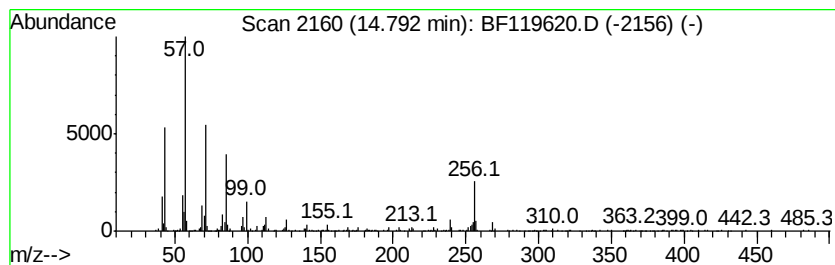
Instrument :
BNA_F
ClientSampleId :
SU-02-032520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Nonadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.79	8.00 ng	615964	Perylene-d12	15.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Octadecane	254	C18H38	000593-45-3	89
3	Tetracosane	338	C24H50	000646-31-1	68
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	64
5	Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
Sample : L1761-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

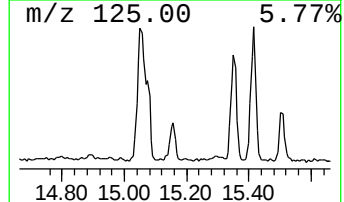
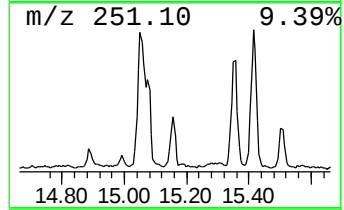
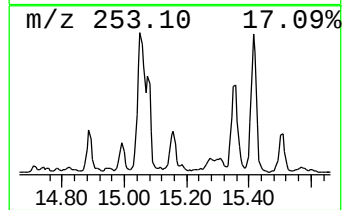
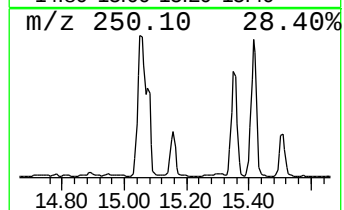
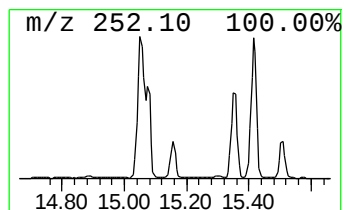
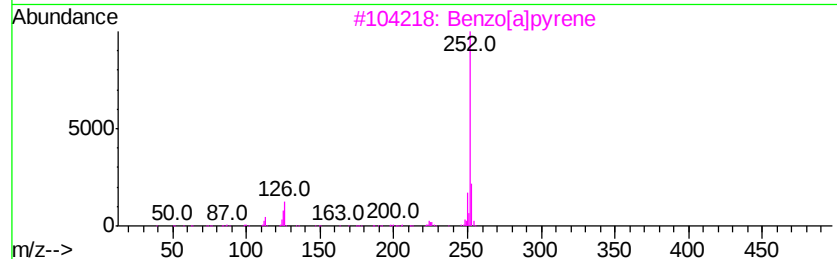
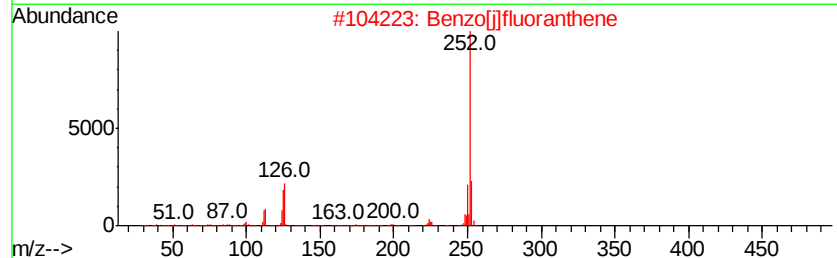
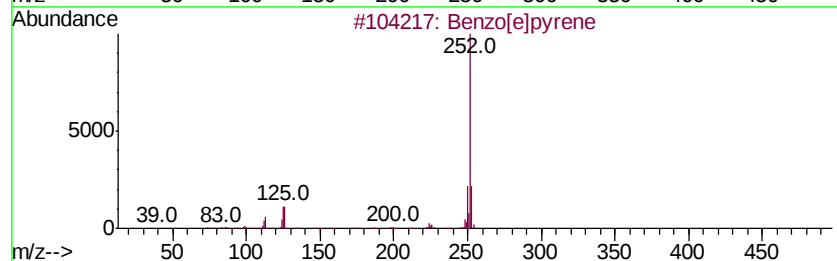
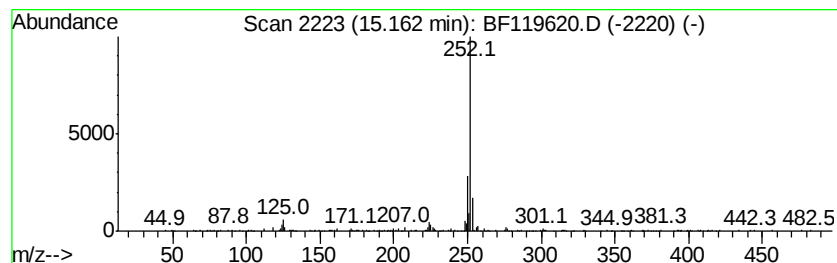
Instrument :
BNA_F
ClientSampleId :
SU-02-032520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
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.	
15.16	6.60 ng	508409	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[i]fluoranthene	252	C20H12	000205-82-3	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119620.D
Acq On : 28 Mar 2020 16:45
Operator : CG/JU
Sample : L1761-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-032520

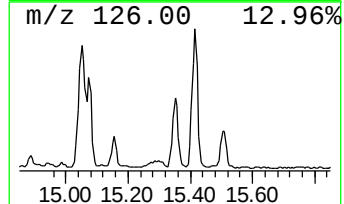
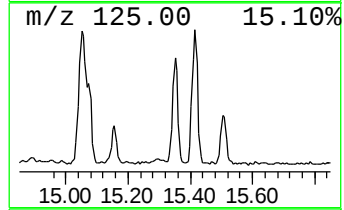
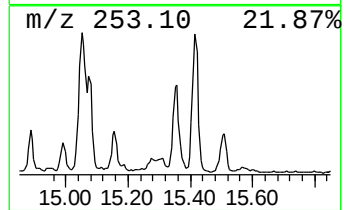
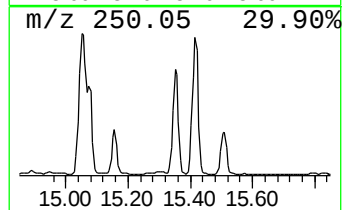
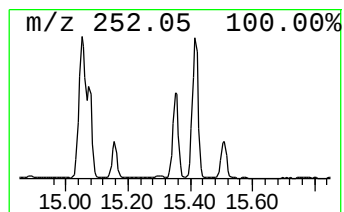
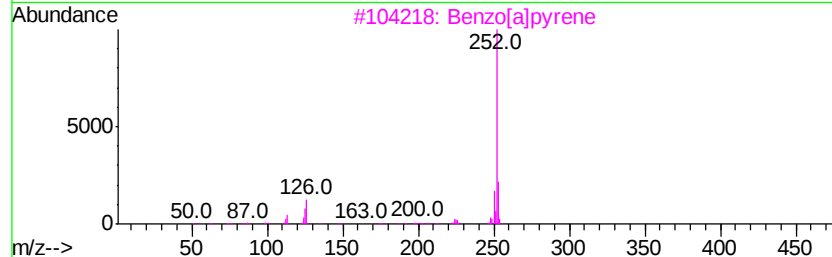
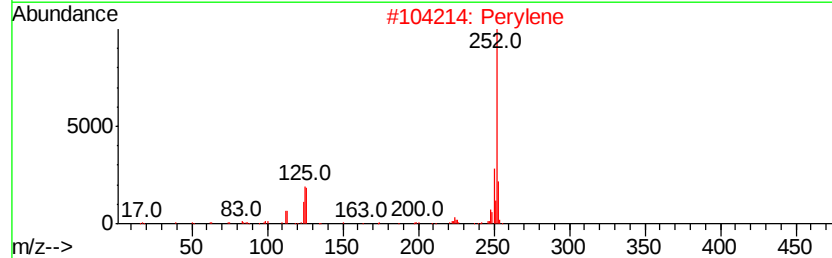
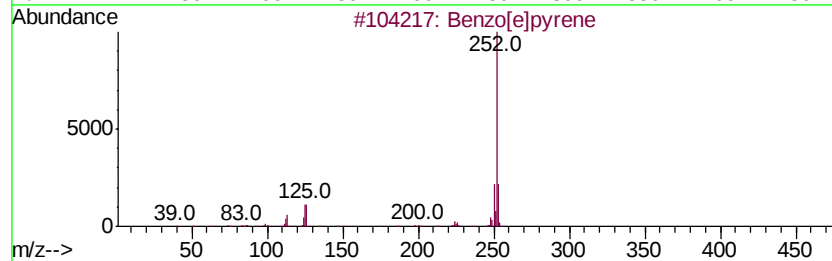
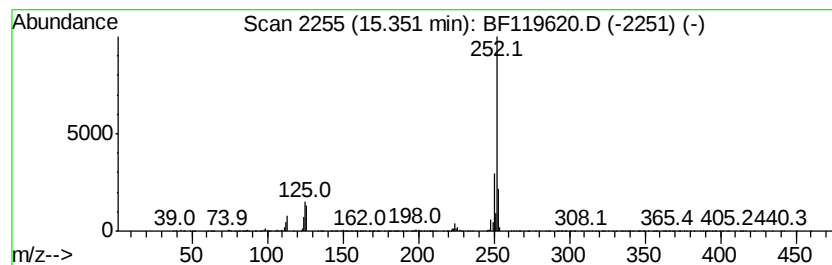
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	25.45 ng	1959300	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[al]pyrene	252	C20H12	000050-32-8	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119620.D
 Acq On : 28 Mar 2020 16:45
 Operator : CG/JU
 Sample : L1761-11
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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
2-Pentanone, 4-hy...	5.05	12.9	ng	1172920	1	6.83	1823750	20.0
Naphthalene, 1,5-...	9.46	7.2	ng	855301	3	9.87	2363950	20.0
Naphthalene, 2,3-...	9.53	9.9	ng	1171870	3	9.87	2363950	20.0
3-Methyl-4-(metho...	10.79	8.8	ng	898908	4	11.36	2051180	20.0
9H-Fluorene, 2-me...	10.97	9.4	ng	962251	4	11.36	2051180	20.0
Dibenzothiophene	11.26	10.0	ng	1023700	4	11.36	2051180	20.0
Phenanthrene, 2-m...	11.87	15.1	ng	1548140	4	11.36	2051180	20.0
Anthracene, 2-met...	11.90	26.7	ng	2742110	4	11.36	2051180	20.0
Anthracene, 9-met...	11.94	7.6	ng	780077	4	11.36	2051180	20.0
4H-Cyclopenta[def...	11.98	29.2	ng	2991100	4	11.36	2051180	20.0
1H-Cyclopropa[l]p...	12.00	10.8	ng	1110410	4	11.36	2051180	20.0
Naphthalene, 2-ph...	12.16	7.8	ng	794537	4	11.36	2051180	20.0
Phenanthrene, 2,5...	12.42	14.9	ng	1528650	4	11.36	2051180	20.0
9,12-Octadecadien...	12.45	23.2	ng	2374860	4	11.36	2051180	20.0
10-Octadecenoic a...	12.47	15.7	ng	1606980	4	11.36	2051180	20.0
1,3-Diphenyl-3-me...	12.50	8.2	ng	836796	4	11.36	2051180	20.0
Nonadecane	14.79	8.0	ng	615964	6	15.48	1539700	20.0
Benzo[e]pyrene	15.16	6.6	ng	508409	6	15.48	1539700	20.0
Perylene	15.35	25.4	ng	1959300	6	15.48	1539700	20.0