LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127268.D
Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127268.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.498	542	546	555	rBV	319114	316656	23.67%	1.941%
2	6.510	714	718	728	rBV	299143	297381	22.23%	1.823%
3	6.704	748	751	754	rBV	18598	17214	1.29%	0.106%
4	6.881	777	781	784	rBV	637994	560675	41.92%	3.436%
5	7.439	873	876	879	rBV	234589	190865	14.27%	1.170%
6	8.163	995	999	1001	rBV	871484	682230	51.00%	4.181%
7	8.181	1001	1002	1005	rVB	67035	47525	3.55%	0.291%
8	8.875	1117	1120	1123	rBV	51485	37144	2.78%	0.228%
9	8.975	1132	1137	1141	rBV	50061	42139	3.15%	0.258%
10	9.233	1178	1181	1190	rBV	419364	337102	25.20%	2.066%
11	9.504	1223	1227	1231	rBV2	28240	38822	2.90%	0.238%
12	9.575	1236	1239	1242	rBV	55843	53790	4.02%	0.330%
13	9.604	1242	1244	1246	rBV	29417	19630	1.47%	0.120%
14	9.692	1256	1259	1261	rBV	29412	24900	1.86%	0.153%
15	9.780	1271	1274	1278	rBV	57011	45860	3.43%	0.281%
16	9.922	1294	1298	1301	rBV	828274	626306	46.82%	3.838%
17	9.951	1301	1303	1307	rVB	141831	116071	8.68%	0.711%
18	10.022	1312	1315	1319	rVB3	16960	22584	1.69%	0.138%
19	10.075	1319	1324	1327	rBV3	15618	24218	1.81%	0.148%
20	10.127	1329	1333	1336	rVV2	90047	90084	6.73%	0.552%
21	10.163	1336	1339	1342	rVB	37210	34138	2.55%	0.209%
22	10.233	1347	1351	1354	rBV2	37570	38955	2.91%	0.239%
23	10.263	1354	1356	1359	rVB	24353	17450	1.30%	0.107%
24	10.327	1362	1367	1368	rBV2	24326	30507	2.28%	0.187%
25	10.469	1388	1391	1397	rVB	152840	139331	10.42%	0.854%
26	10.557	1404	1406	1408	rVB2	33221	24426	1.83%	0.150%
27	10.627	1415	1418	1421	rVB	48768	47807	3.57%	0.293%
28	10.710	1429	1432	1436	rBV	225548	212456	15.88%	1.302%
29	10.816	1447	1450	1451	rBV	26369	27075	2.02%	0.166%
30	11.016	1478	1484	1487	rBV2	49081	68210	5.10%	0.418%
31	11.045	1487	1489	1492	rVV2	33170	33645	2.52%	0.206%
32	11.104	1496	1499	1501	rVB	26827	23885	1.79%	0.146%
33	11.145	1501	1506	1508	rBV3	34720	49178	3.68%	0.301%
34	11.169	1508	1510	1514	rVV3	38266	42689	3.19%	0.262%
35	11.221	1516	1519	1522	rVV	38348	42564	3.18%	0.261%
36	11.257	1522	1525	1529	rVV2	51976	66231	4.95%	0.406%

LSC Area Percent Report

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Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.310	1532	1534	1539	rVB	75613	62571	4.68%	0.383%
38	11.416	1548	1552	1554	rBV	691570	622839	46.56%	3.817%
39	11.439	1554	1556	1559	rVV	1089379	818406	61.18%	5.016%
40	11.492	1561	1565	1567	rVV	301863	273266	20.43%	1.675%
41	11.521	1567	1570	1573	rVB2	18396	23866	1.78%	0.146%
42	11.645	1587	1591	1596	rBV3	58365	86884	6.50%	0.532%
43	11.710	1600	1602	1605	rVV	34200	31262	2.34%	0.192%
44	11.745	1605	1608	1613	rVB2	40582	45675	3.41%	0.280%
45	11.792	1613	1616	1619	rBV2	27613	31662	2.37%	0.194%
46	11.827	1619	1622	1627	rVB	23892	28021	2.09%	0.172%
47	11.916	1633	1637	1639	rBV	164505	136510	10.21%	0.837%
48	11.945	1639	1642	1645	rVB	245421	194150	14.51%	1.190%
49	11.992	1647	1650	1653	rBV	106405	88067	6.58%	0.540%
50	12.027	1653	1656	1659	rVV2	244634	289978	21.68%	1.777%
51	12.051	1659	1660	1665	rVB	120347	70847	5.30%	0.434%
52	12.098	1665	1668	1670	rBV	38484	35128	2.63%	0.215%
53	12.145	1674	1676	1679	rBV2	20134	18923	1.41%	0.116%
54	12.210	1684	1687	1690	rVV	116227	100482	7.51%	0.616%
55	12.239	1690	1692	1698	rVB3	57900	56200	4.20%	0.344%
56	12.286	1698	1700	1703	rBV	19181	20307	1.52%	0.124%
57	12.363	1711	1713	1716	rVB	31130	23106	1.73%	0.142%
58	12.392	1716	1718	1720	rVB	45269	27768	2.08%	0.170%
59	12.416	1720	1722	1725	rVB	40905	36322	2.72%	0.223%
60	12.468	1727	1731	1733	rBV	112857	138285	10.34%	0.848%
61	12.504	1735	1737	1739	rVV2	84868	83741	6.26%	0.513%
62	12.557	1743	1746	1750	rBV3	94786	113362	8.47%	0.695%
63	12.633	1755	1759	1762	rBV	1522885	1337624	100.00%	8.198%
64	12.692	1767	1769	1773	rVB2	38639	35860	2.68%	0.220%
65	12.727	1773	1775	1777	rVB	25297	18122	1.35%	0.111%
66	12.757	1777	1780	1782	rBV4	18770	26988	2.02%	0.165%
67	12.786	1782	1785	1787	rVB	52188	48080	3.59%	0.295%
68	12.845	1792	1795	1796	rBV	267019	259784	19.42%	1.592%
69	12.863	1796	1798	1803	rVB	1219785	1148787	85.88%	7.041%
70	12.910	1803	1806	1810	rVB2	78891	84085	6.29%	0.515%
71	12.998	1814	1821	1823	rBV2	353361	395378	29.56%	2.423%
72	13.015	1823	1824	1829	rVB2	50687	46950	3.51%	0.288%
73	13.074	1830	1834	1839	rBV2	96842	171677	12.83%	1.052%
74	13.163	1846	1849	1851	rBV3	75742	98636	7.37%	0.605%
75	13.186	1851	1853	1856	rVB	158964	153104	11.45%	0.938%
76	13.215	1856	1858	1860	rBV3	19753	17714	1.32%	0.109%

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Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.257	1862	1865	1867	rVB	125733	96700	7.23%	0.593%
78	13.292	1867	1871	1874	rBV2	141573	165270	12.36%	1.013%
79	13.351	1878	1881	1884	rBV2	29262	24895	1.86%	0.153%
80	13.386	1884	1887	1890	rBV	87172	72679	5.43%	0.445%
81	13.415	1890	1892	1895	rBV	73657	70040	5.24%	0.429%
82	13.557	1914	1916	1918	rBV2	25342	25234	1.89%	0.155%
83	13.610	1923	1925	1928	rVB	29468	28490	2.13%	0.175%
84	13.698	1938	1940	1945	rVB	95811	92007	6.88%	0.564%
85	13.810	1956	1959	1962	rVV2	100031	112741	8.43%	0.691%
86	13.839	1962	1964	1966	rVV	111245	92811	6.94%	0.569%
87	13.862	1966	1968	1974	rVV3	94857	161162	12.05%	0.988%
88	13.910	1974	1976	1979	rVB	92216	80999	6.06%	0.496%
89	14.057	1997	2001	2004	rBV2	716648	1004351	75.08%	6.155%
90	14.092	2004	2007	2012	rVB	477259	479665	35.86%	2.940%
91	14.151	2014	2017	2019	rBV2	98827	111646	8.35%	0.684%
92	14.451	2065	2068	2070	rVB	98329	81283	6.08%	0.498%
93	14.480	2071	2073	2076	rVB	62673	53331	3.99%	0.327%
94	14.574	2087	2089	2091	rBV	51358	33145	2.48%	0.203%
95	15.115	2177	2181	2184	rBV	335796	477804	35.72%	2.928%
96	15.227	2197	2200	2204	rBV	76617	83817	6.27%	0.514%
97	15.433	2231	2235	2241	rVB	191709	245619	18.36%	1.505%
98	15.498	2241	2246	2251	rVB	307001	385245	28.80%	2.361%
99	15.557	2252	2256	2259	rBV	258899	326002	24.37%	1.998%
100	17.074	2509	2514	2522	rVB2	114006	221398	16.55%	1.357%

Sum of corrected areas: 16316494

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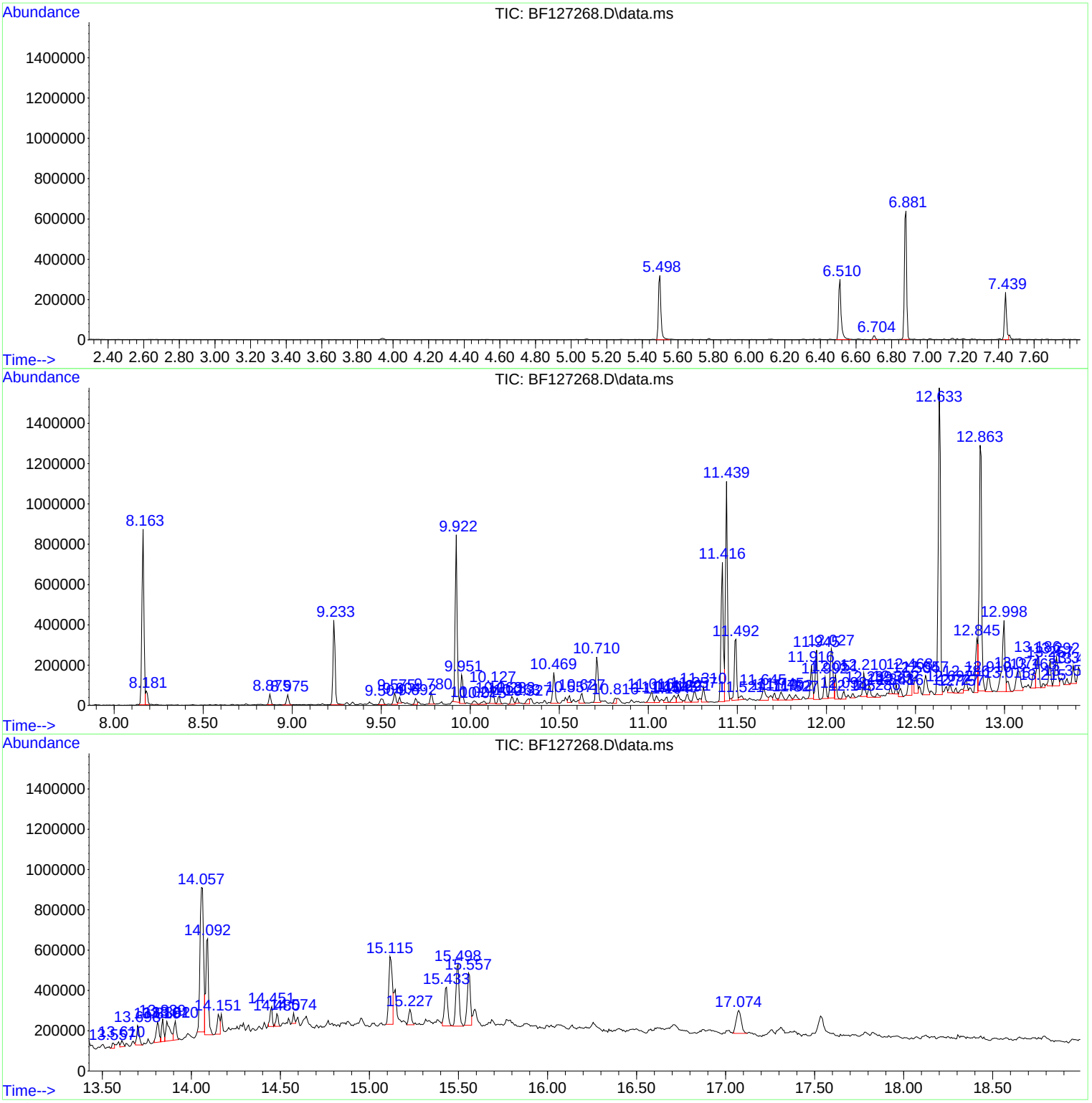
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
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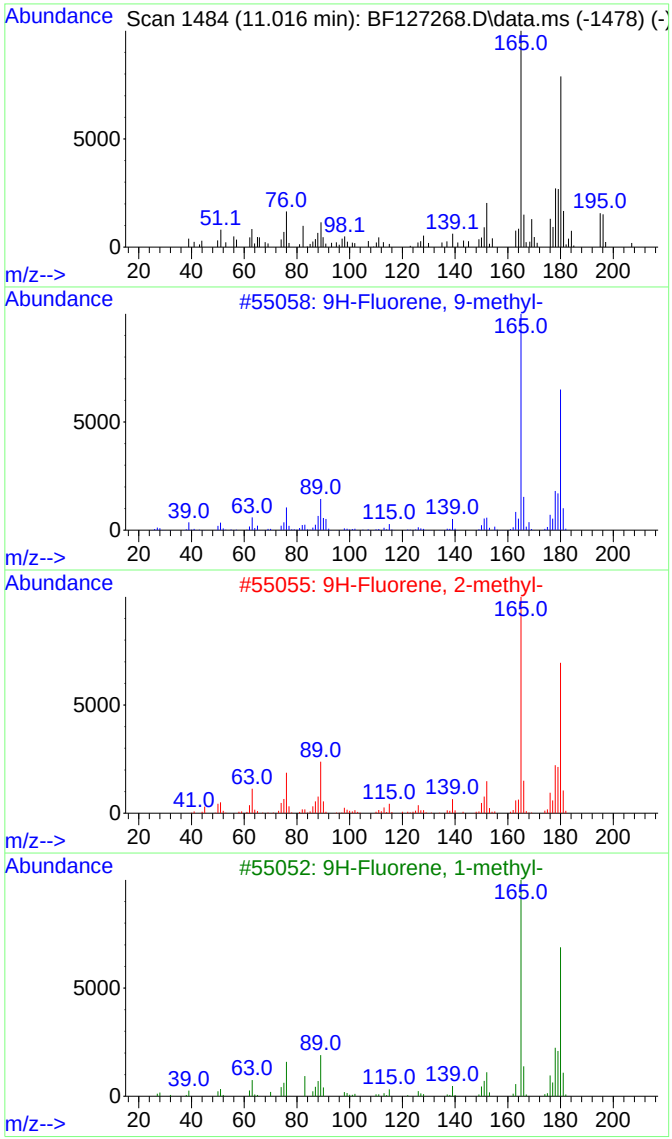
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

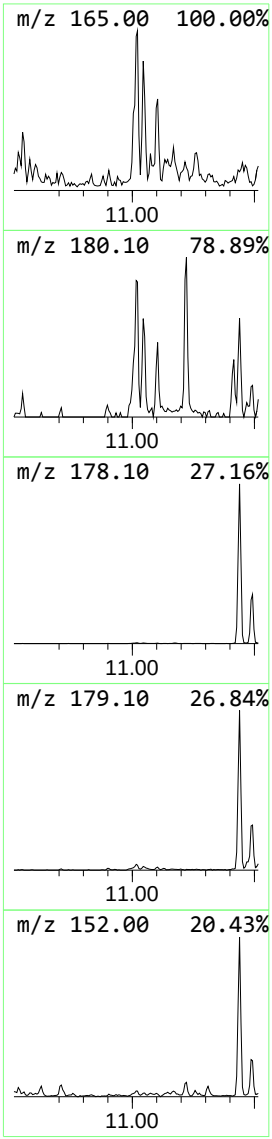
****

Peak Number 1 9H-Fluorene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.016	2.19 ng	68210	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127268.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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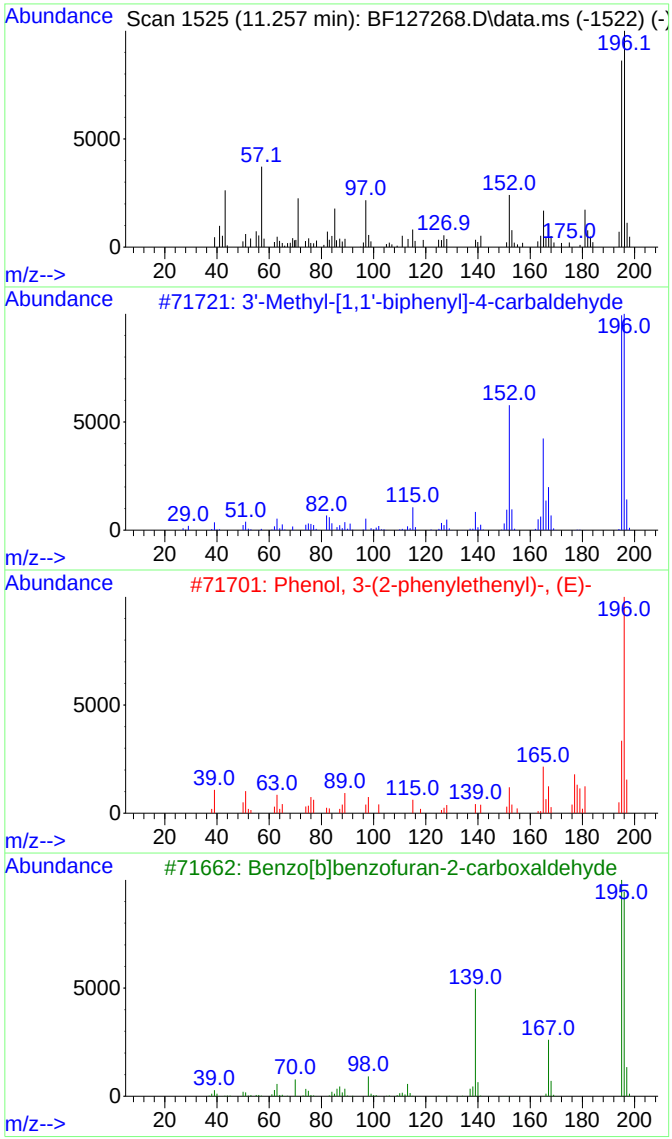
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

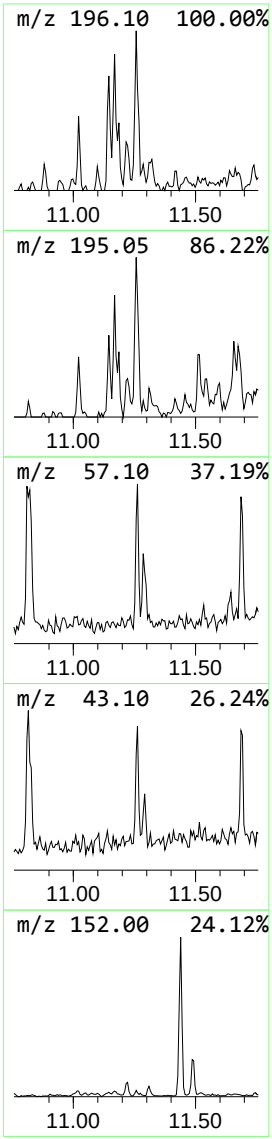
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	2.13 ng	66231	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	83
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47





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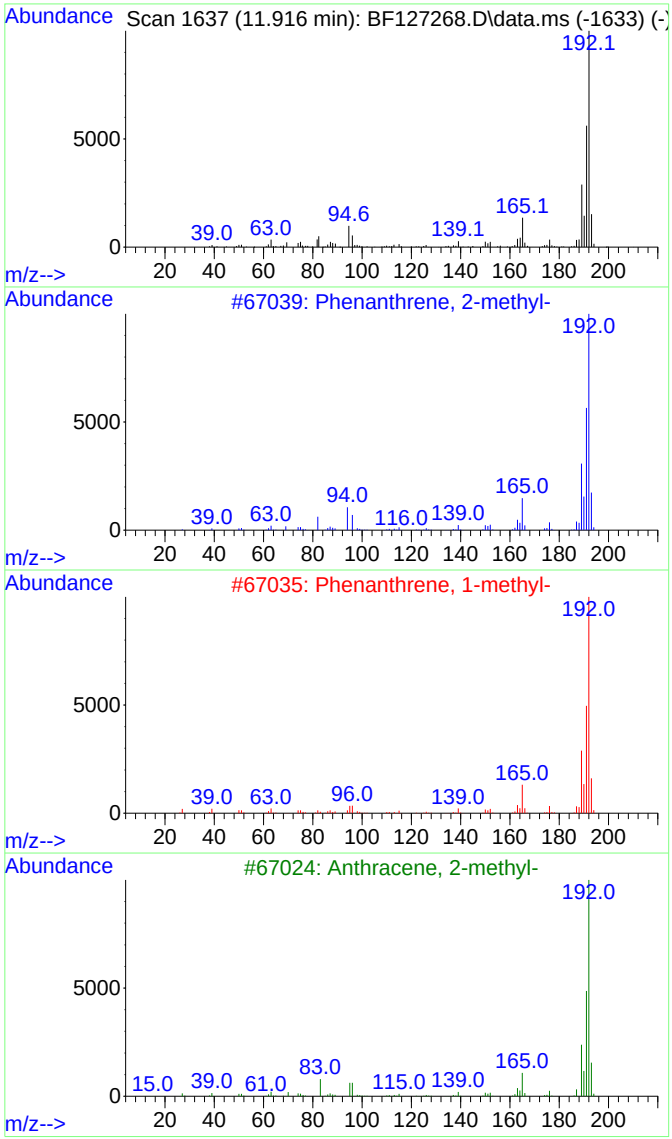
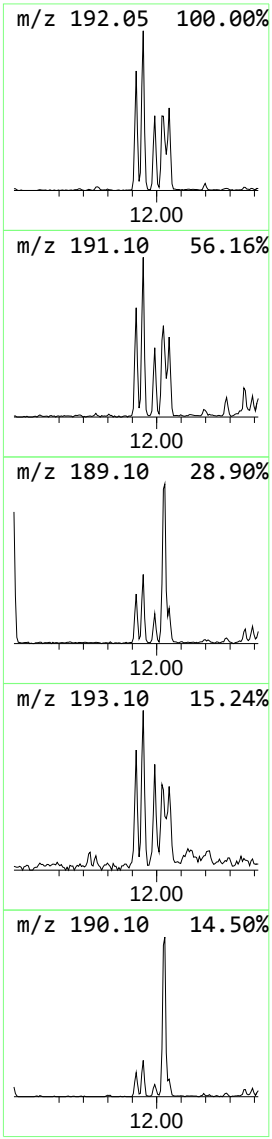
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	4.38 ng	136510	Phenanthrene-d10	11.416

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

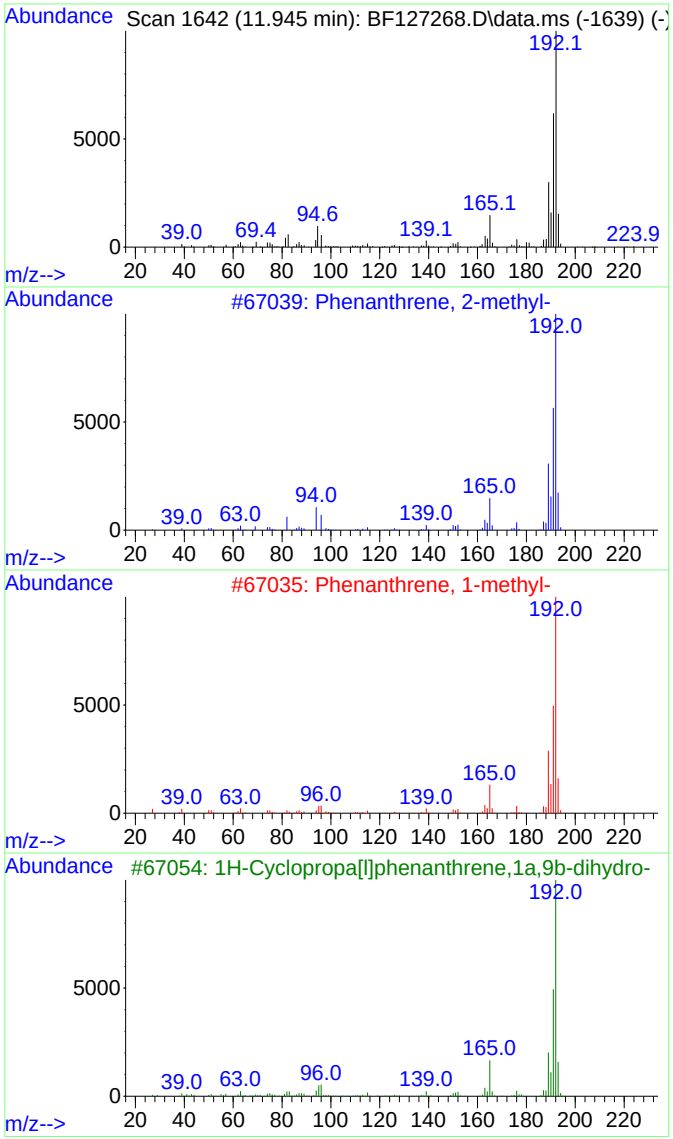
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

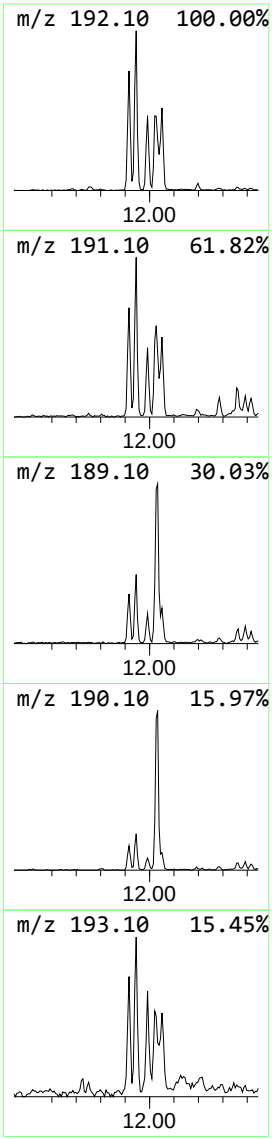
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	6.23 ng	194150	Phenanthrene-d10	11.416

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[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127268.D
Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

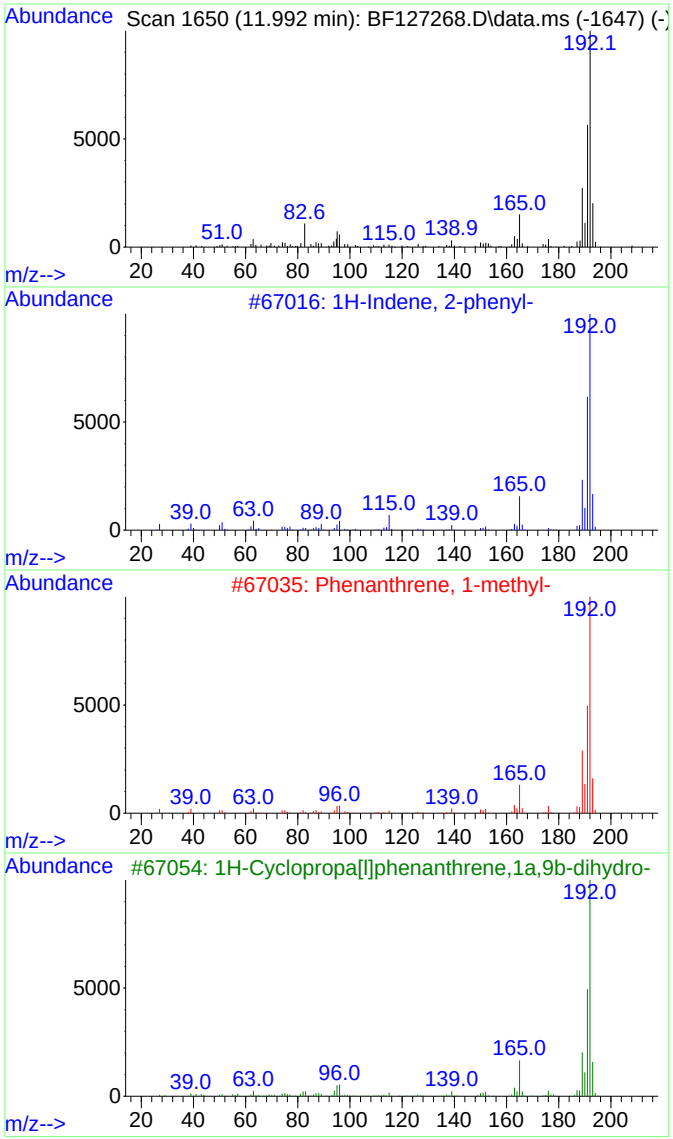
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

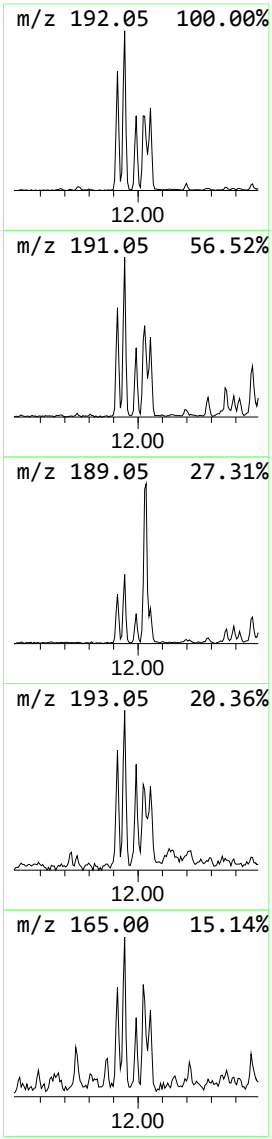
****

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	2.83 ng	88067	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-030722

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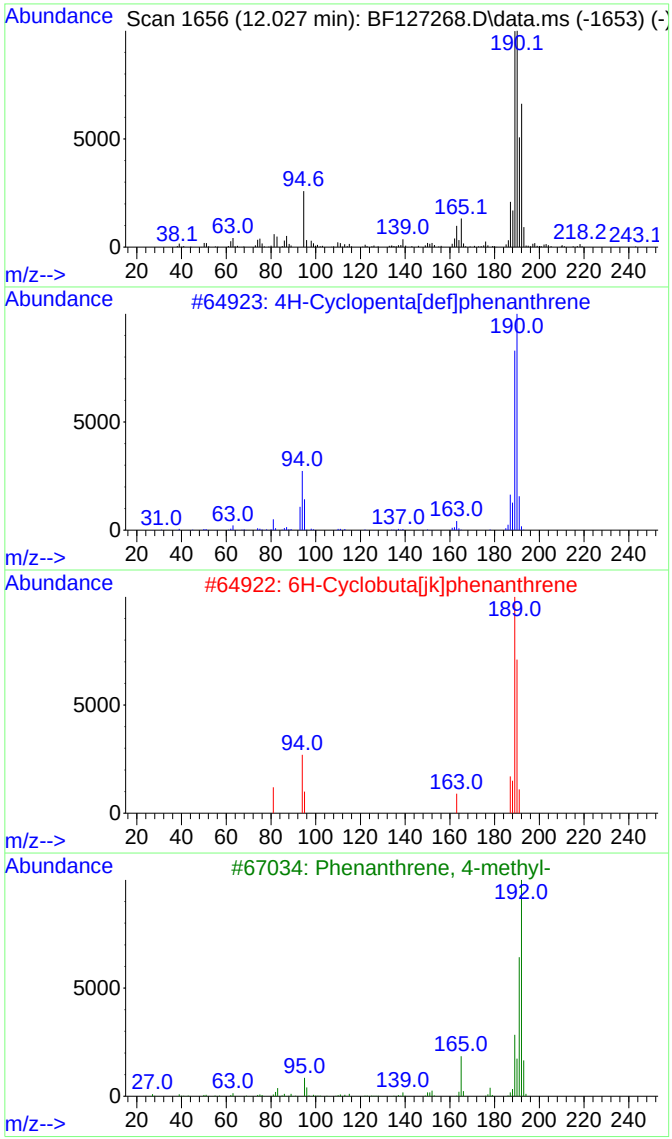
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

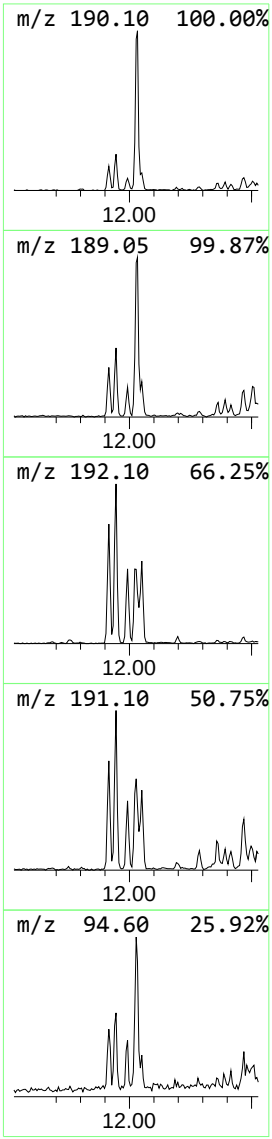
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	9.31 ng	289978	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

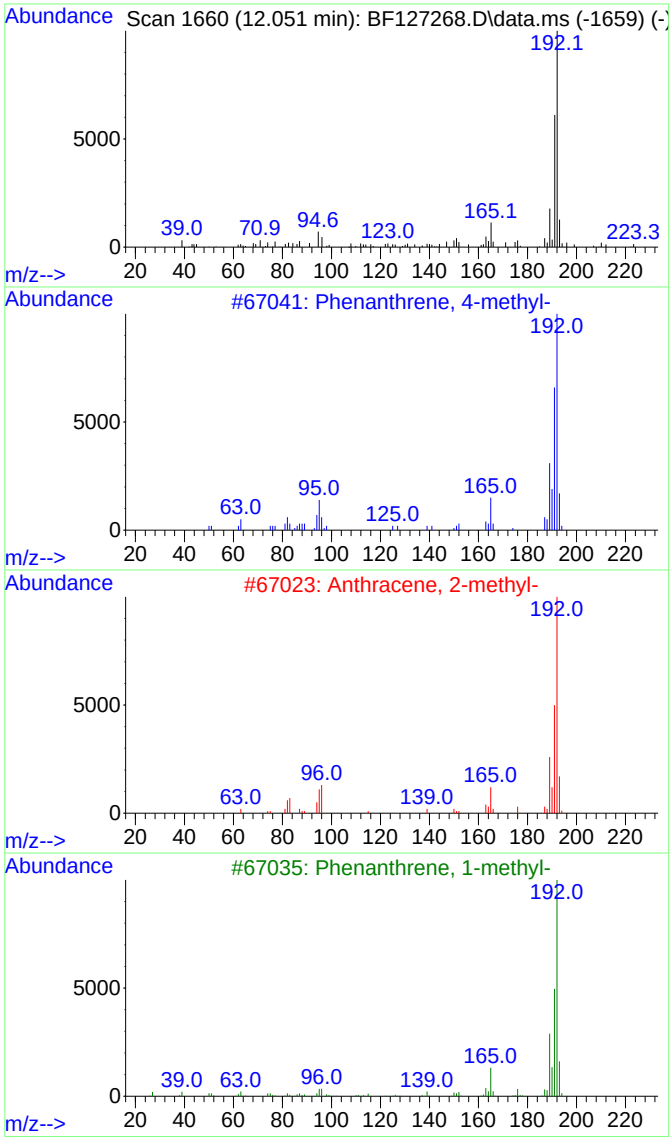
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

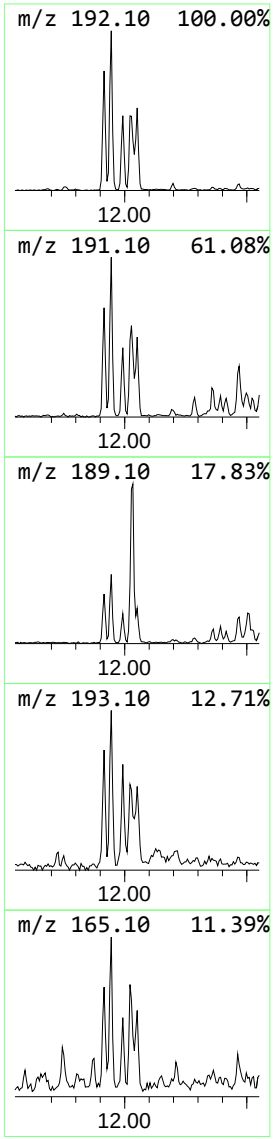
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	2.27 ng	70847	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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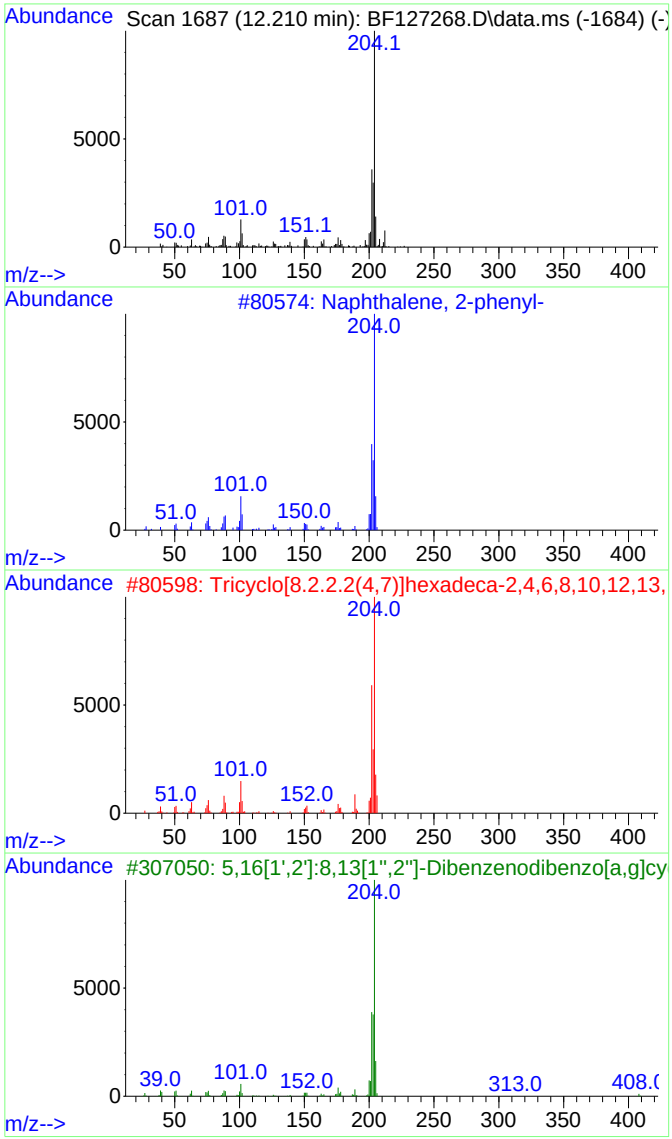
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

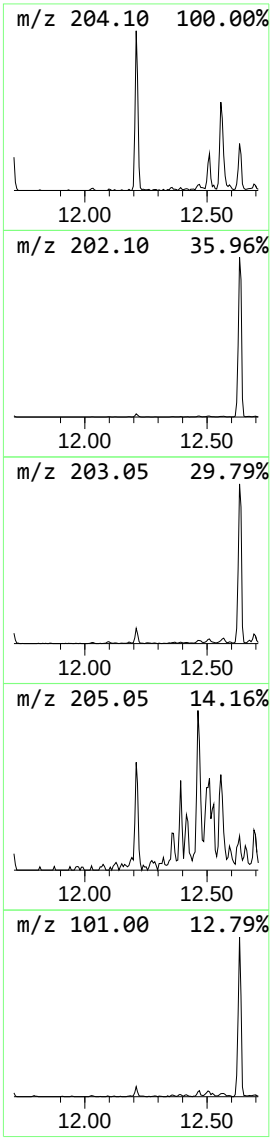
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	3.23 ng	100482	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53





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Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

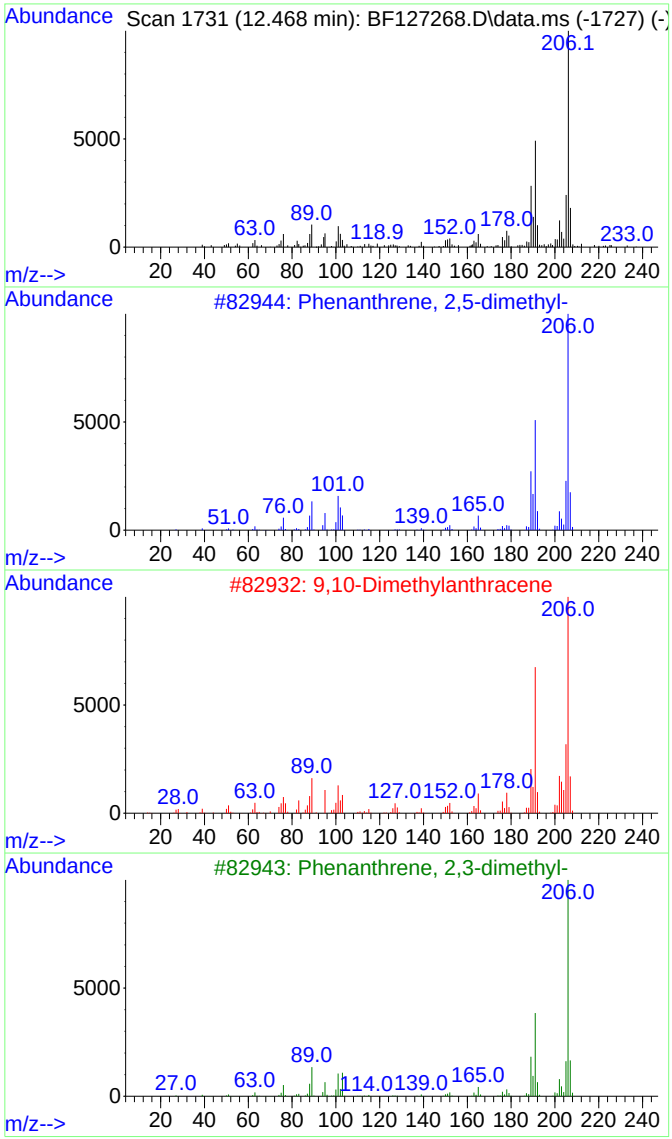
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

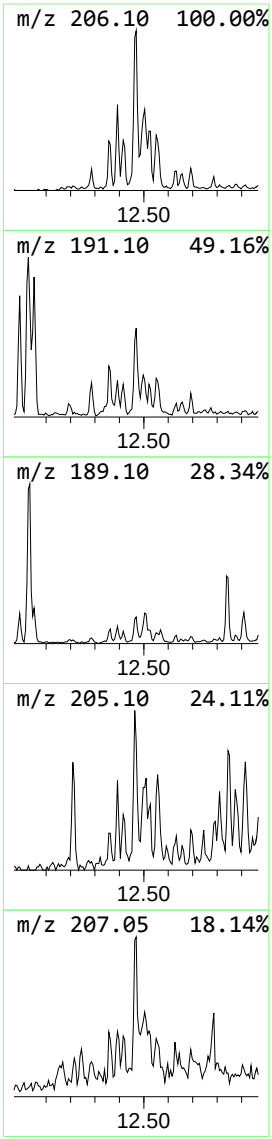
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	4.44 ng	138285	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

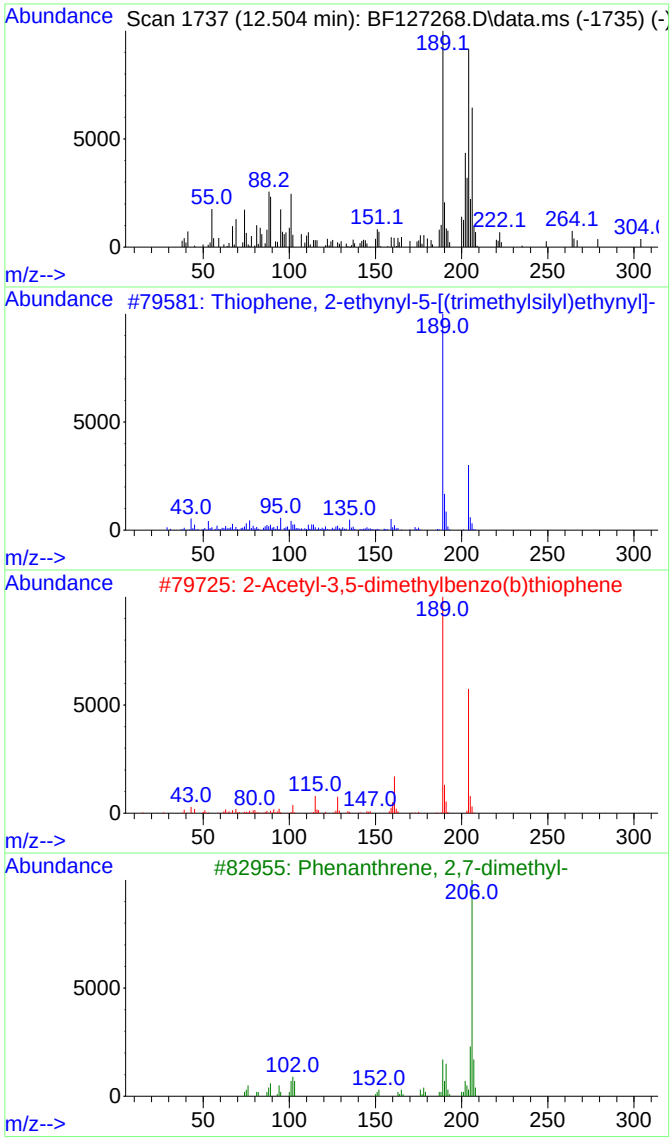
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

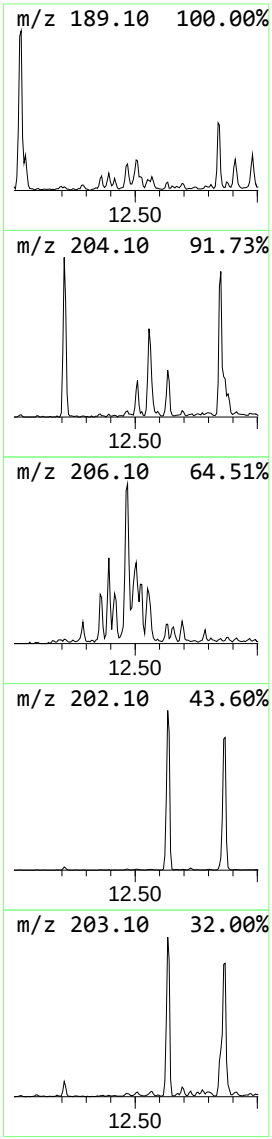
****

Peak Number 11 unknown12.504 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	2.69 ng	83741	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	46
2	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	38
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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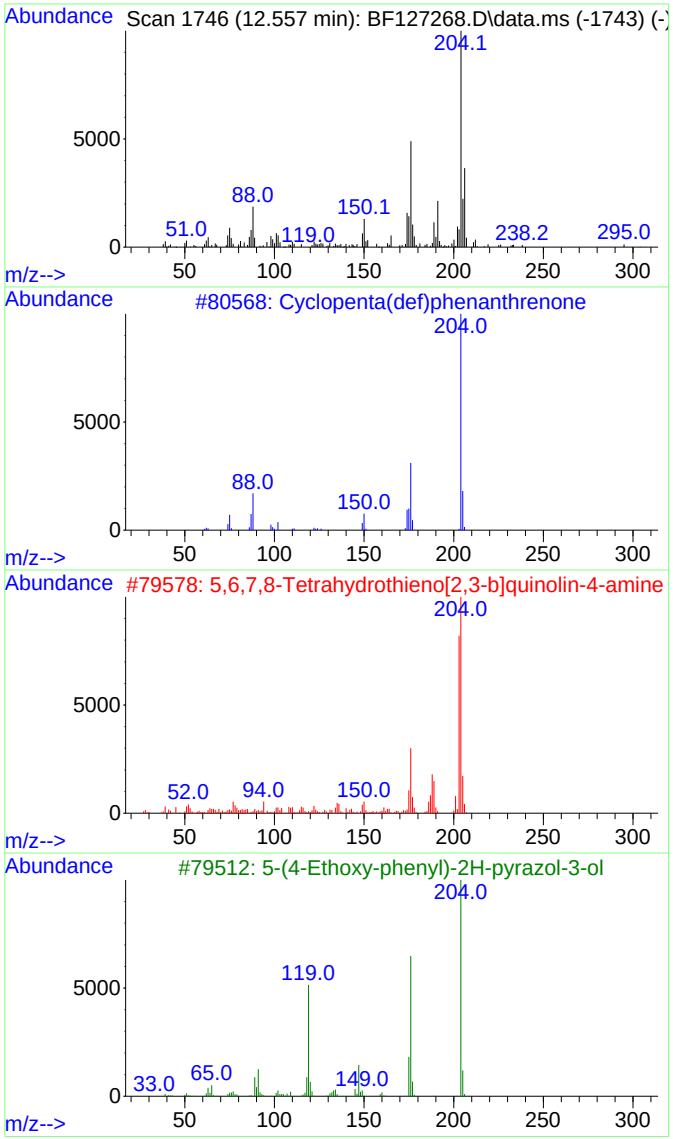
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

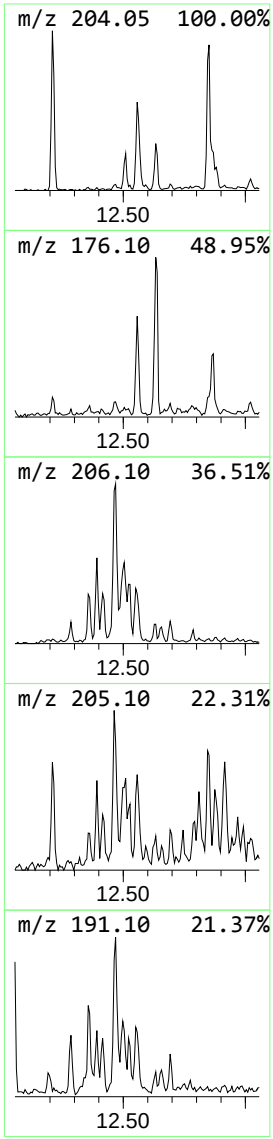
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.557	3.64 ng	113362	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

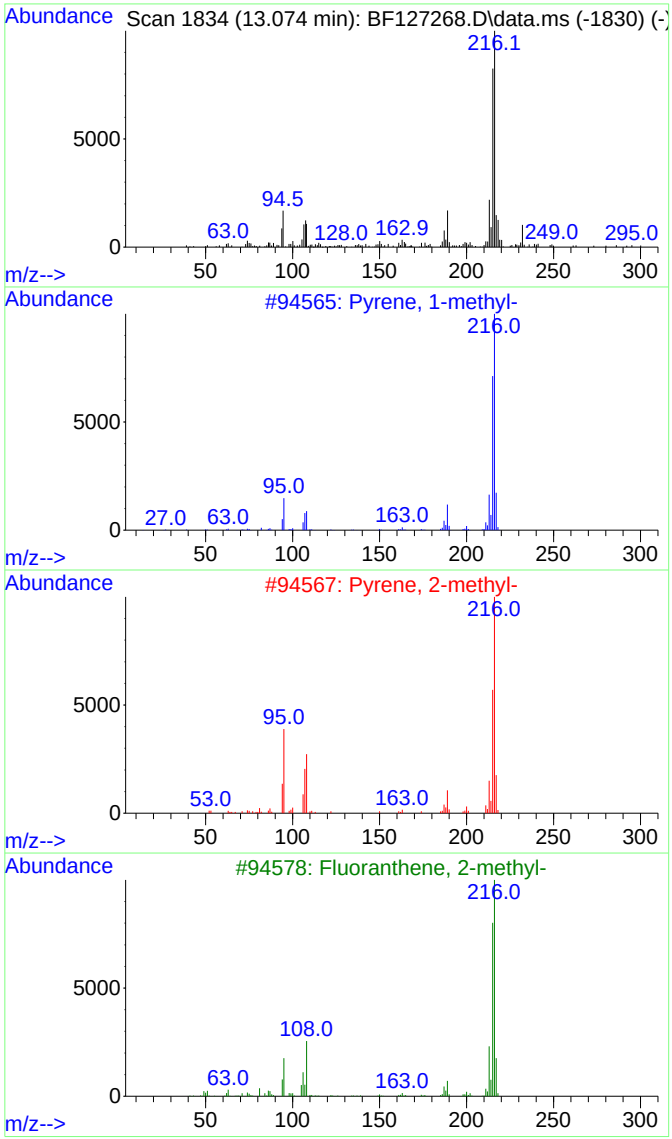
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

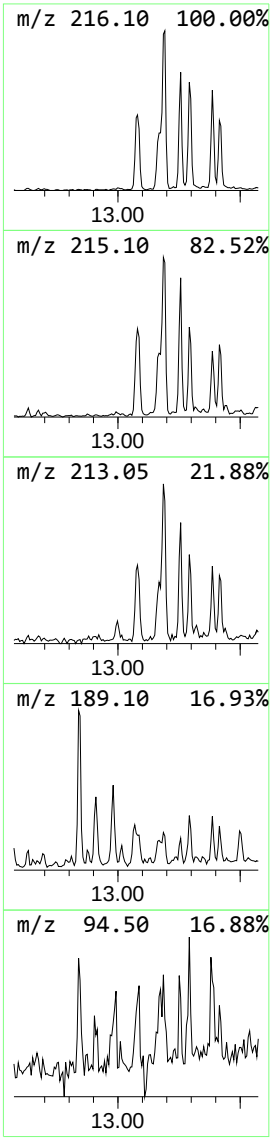
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	3.42 ng	171677	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

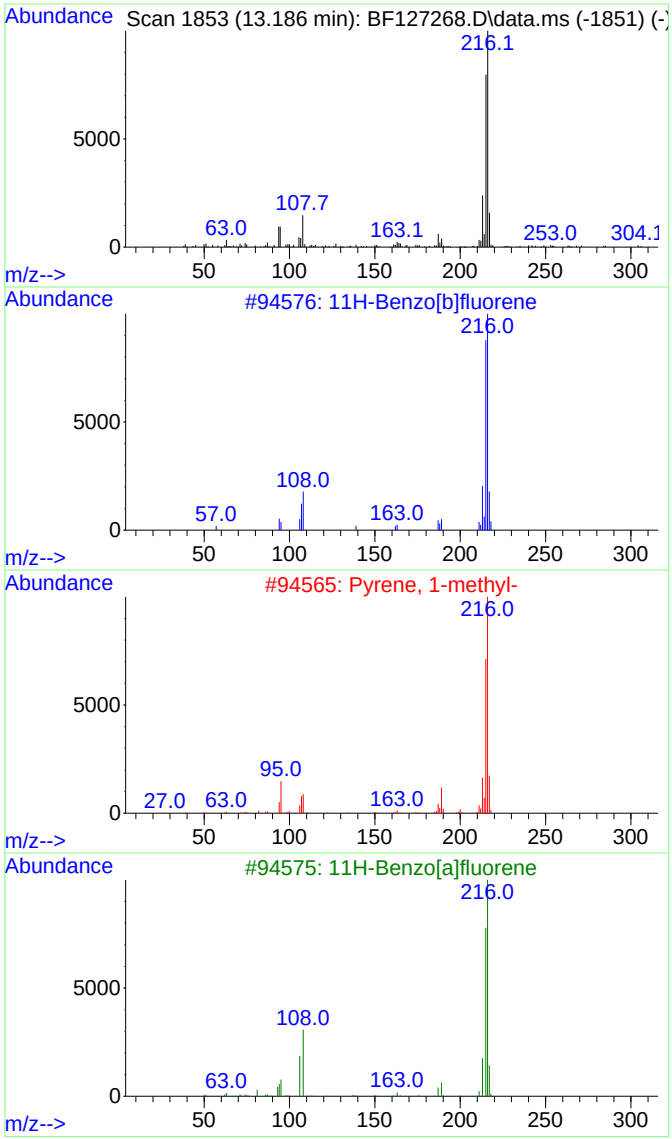
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

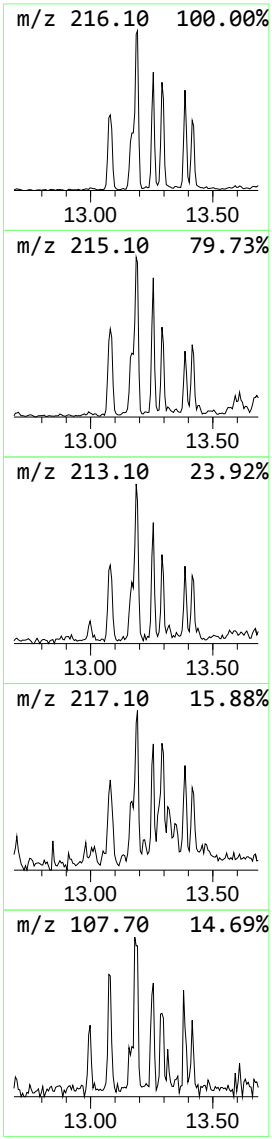
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	3.05 ng	153104	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	59





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Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

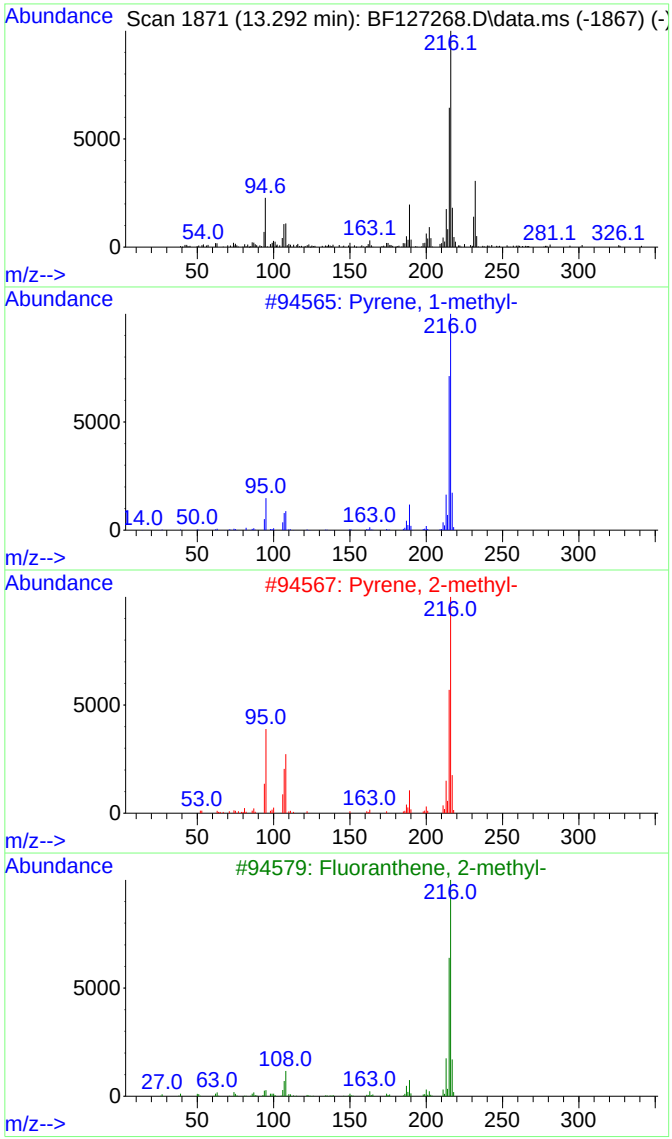
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

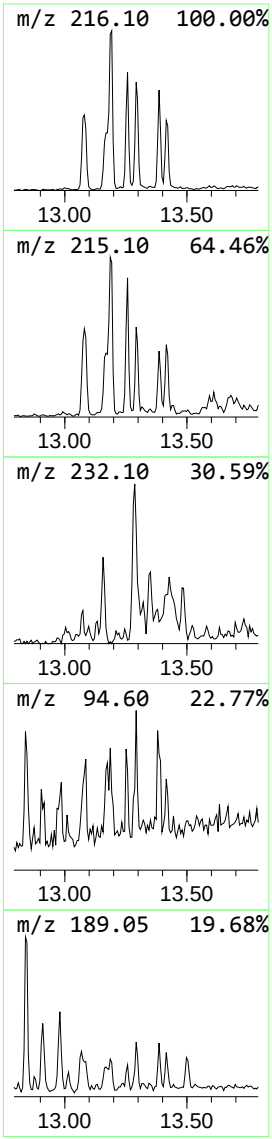
****

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	3.29 ng	165270	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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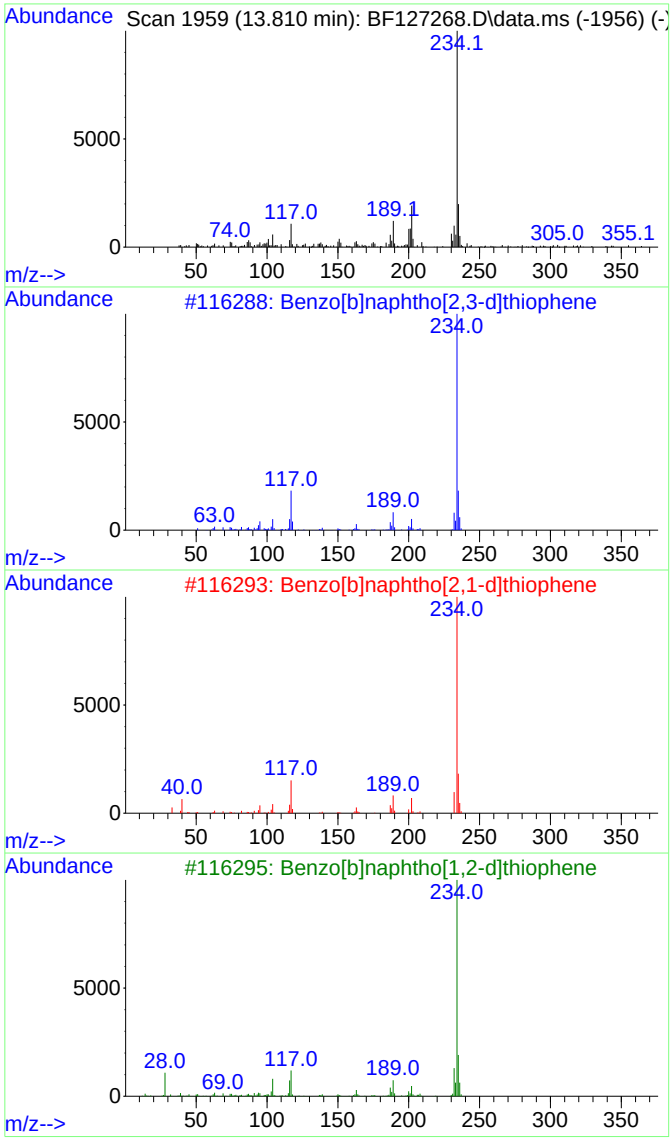
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

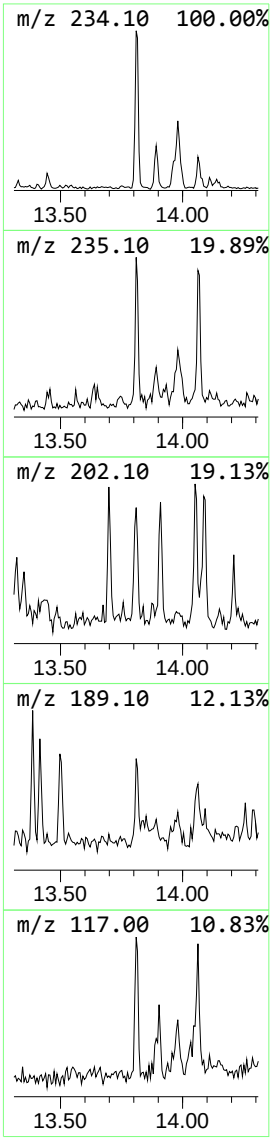
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	2.25 ng	112741	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76
4	Cyclohexene, 1,2-diphenyl-	234	C18H18	041317-87-7	53
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	53





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

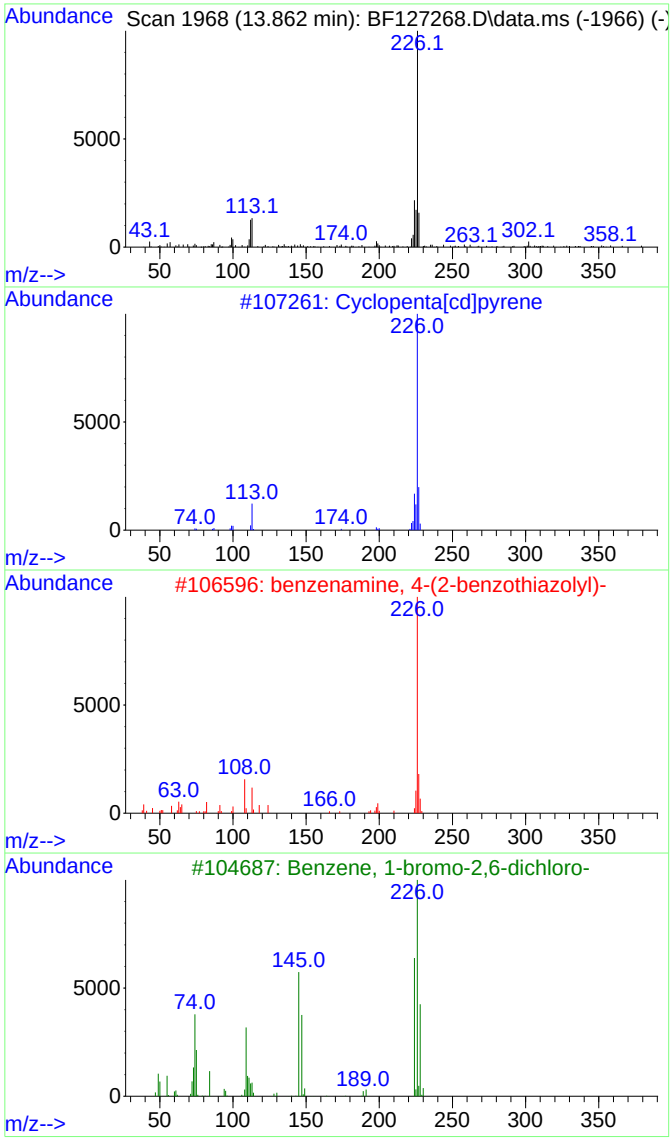
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

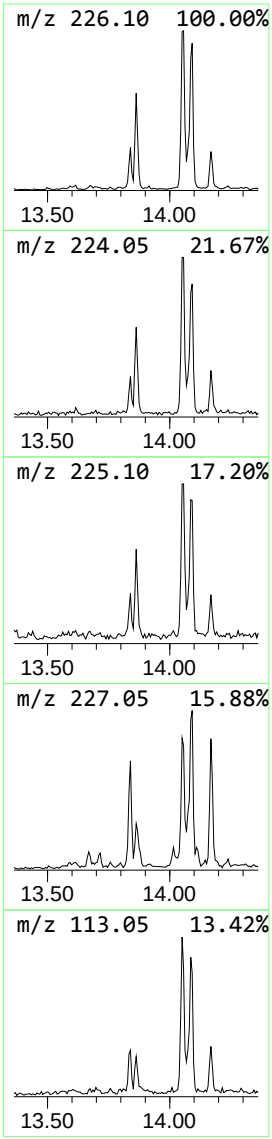
****

Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.863	3.21 ng	161162	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	53
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	50
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42





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Data File : BF127268.D
Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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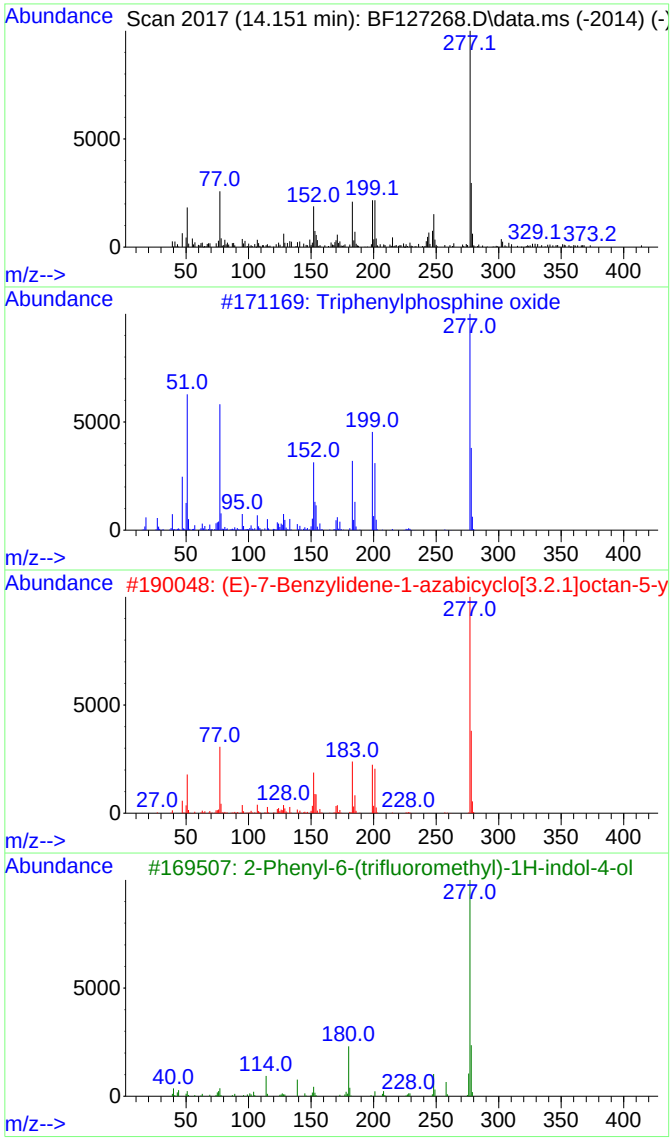
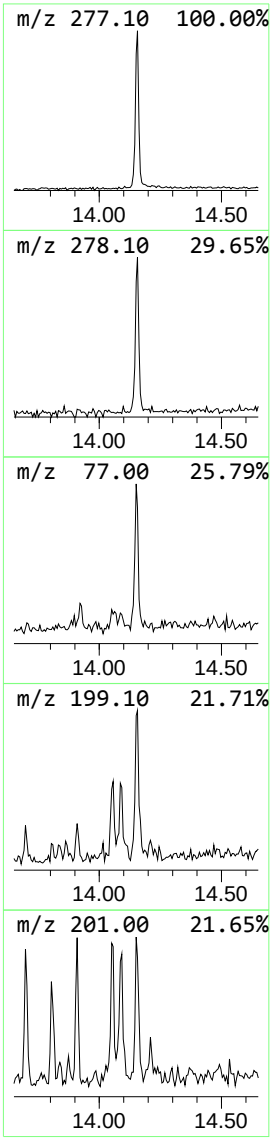
Peak Number 18 Triphenylphosphine oxide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.151	2.22 ng	111646	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	97
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	53
3	2-Phenyl-6-(trifluoromethyl)-1H-...	277	C15H10F3NO	1000387-59-3	47
4	Vanadium, cycloheptatrienyl-(pen...	277	C17H22V	1000155-20-5	43
5	(Carbethoxymethyl)-triphenylphos...	428	C22H22BrO2P	001530-45-6	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127268.D
Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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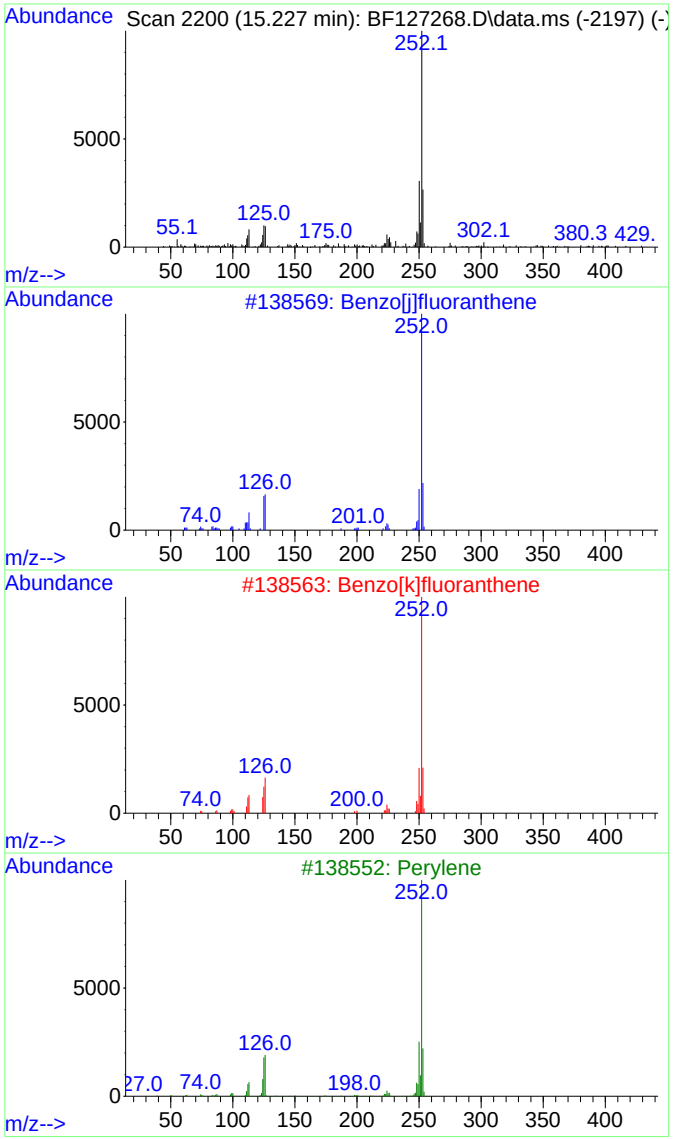
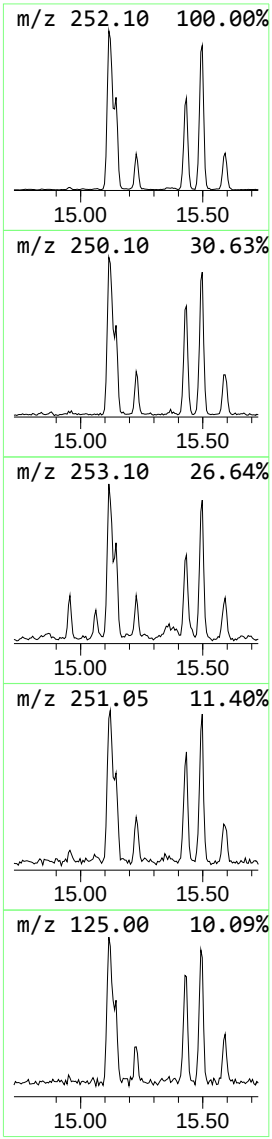
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	5.14 ng	83817	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127268.D
Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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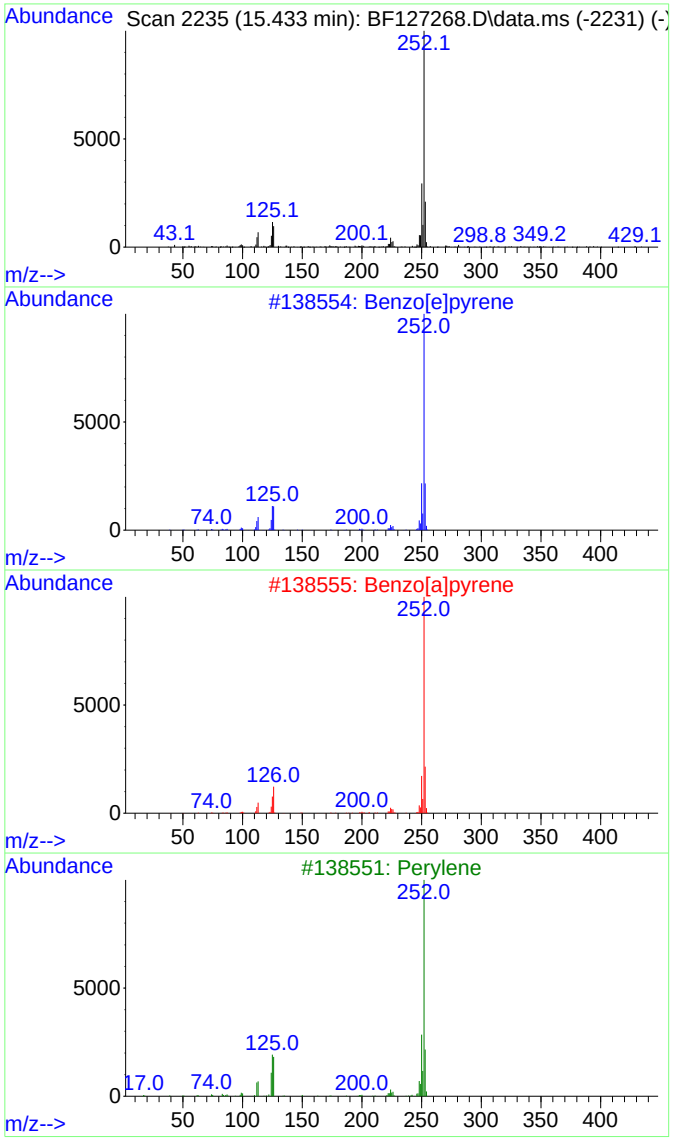
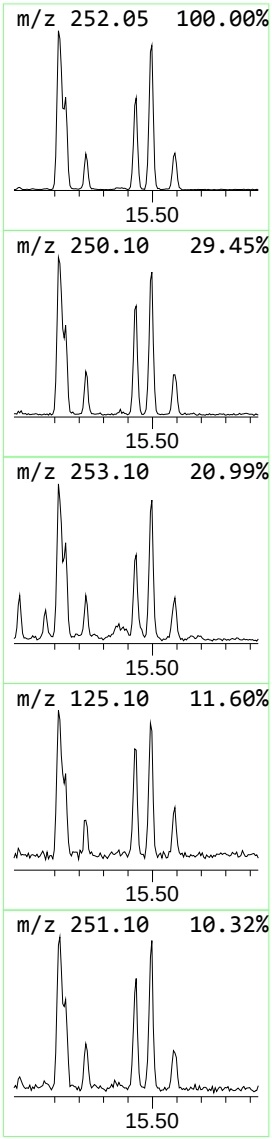
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	15.07 ng	245619	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127268.D
Acq On : 08 Mar 2022 19:57
Operator : CG\JU
Sample : N1829-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
9H-Fluorene, 9-...	11.016	2.2	ng	68210	4	11.416	622839	20.0
3'-Methyl-[1,1'...	11.257	2.1	ng	66231	4	11.416	622839	20.0
Phenanthrene, 2...	11.916	4.4	ng	136510	4	11.416	622839	20.0
Phenanthrene, 1...	11.945	6.2	ng	194150	4	11.416	622839	20.0
1H-Indene, 2-ph...	11.992	2.8	ng	88067	4	11.416	622839	20.0
4H-Cyclopenta[d...	12.027	9.3	ng	289978	4	11.416	622839	20.0
Phenanthrene, 4...	12.051	2.3	ng	70847	4	11.416	622839	20.0
Naphthalene, 2-...	12.210	3.2	ng	100482	4	11.416	622839	20.0
Phenanthrene, 2...	12.469	4.4	ng	138285	4	11.416	622839	20.0
unknown12.504	12.504	2.7	ng	83741	4	11.416	622839	20.0
Cyclopenta(def)...	12.557	3.6	ng	113362	4	11.416	622839	20.0
Pyrene, 1-methyl-	13.074	3.4	ng	171677	5	14.063	1004350	20.0
11H-Benzo[b]flu...	13.186	3.0	ng	153104	5	14.063	1004350	20.0
Pyrene, 2-methyl-	13.292	3.3	ng	165270	5	14.063	1004350	20.0
Benzo[b]naphtho...	13.810	2.3	ng	112741	5	14.063	1004350	20.0
Cyclopenta[cd]p...	13.863	3.2	ng	161162	5	14.063	1004350	20.0
Triphenylphosph...	14.151	2.2	ng	111646	5	14.063	1004350	20.0
Benzo[j]fluoran...	15.227	5.1	ng	83817	6	15.562	326002	20.0
Benzo[e]pyrene	15.433	15.1	ng	245619	6	15.562	326002	20.0