LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122132.D
Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122132.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	550	552	574	rBV	820291	1105329	31.41%	2.393%
2	6.369	725	728	748	rBV	931470	1153636	32.78%	2.497%
3	6.716	783	787	796	rBV	703755	660844	18.78%	1.431%
4	7.281	880	883	896	rBV	800029	766568	21.78%	1.659%
5	7.998	1001	1005	1007	rBV	1014034	912940	25.94%	1.976%
6	8.022	1007	1009	1016	rVB	851410	719613	20.45%	1.558%
7	8.710	1123	1126	1133	rBV	378249	302456	8.59%	0.655%
8	8.810	1139	1143	1152	rVB	210477	188202	5.35%	0.407%
9	9.069	1184	1187	1197	rVB	1667230	1295081	36.80%	2.804%
10	9.175	1202	1205	1211	rVV	112331	107701	3.06%	0.233%
11	9.269	1215	1221	1228	rVB	76391	81598	2.32%	0.177%
12	9.339	1228	1233	1237	rBV	80514	106517	3.03%	0.231%
13	9.410	1241	1245	1247	rVV	113006	120542	3.43%	0.261%
14	9.433	1247	1249	1253	rVV	72843	71670	2.04%	0.155%
15	9.469	1253	1255	1258	rVV	140353	105561	3.00%	0.229%
16	9.527	1262	1265	1272	rVB	53601	58598	1.67%	0.127%
17	9.751	1294	1303	1305	rBV	989161	961185	27.31%	2.081%
18	9.780	1305	1308	1314	rVV	1230319	1013181	28.79%	2.193%
19	9.904	1326	1329	1332	rVV	74083	61970	1.76%	0.134%
20	9.951	1334	1337	1341	rVV	546043	499390	14.19%	1.081%
21	10.298	1392	1396	1401	rBV	746818	672698	19.12%	1.456%
22	10.363	1401	1407	1408	rVV	83979	119387	3.39%	0.258%
23	10.380	1408	1410	1413	rVV	128161	107188	3.05%	0.232%
24	10.427	1413	1418	1420	rVV2	91500	125976	3.58%	0.273%
25	10.451	1420	1422	1426	rVB	132655	115974	3.30%	0.251%
26	10.539	1433	1437	1442	rBV2	810864	771250	21.92%	1.670%
27	10.845	1482	1489	1492	rBV3	101035	139966	3.98%	0.303%
28	11.051	1520	1524	1527	rVB	225461	197316	5.61%	0.427%
29	11.098	1527	1532	1535	rVV3	186518	205551	5.84%	0.445%
30	11.133	1535	1538	1541	rVV	262388	246388	7.00%	0.533%
31	11.233	1552	1555	1557	rBV	791753	824306	23.42%	1.784%
32	11.263	1557	1560	1563	rVV	3408515	3519069	100.00%	7.618%
33	11.310	1563	1568	1572	rVV	1029661	1050861	29.86%	2.275%
34	11.351	1572	1575	1580	rVB	87617	93727	2.66%	0.203%
35	11.474	1591	1596	1602	rBV2	542327	590258	16.77%	1.278%
36	11.645	1622	1625	1630	rVB2	42362	62460	1.77%	0.135%

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.733	1637	1640	1643	rBV	334563	300118	8.53%	0.650%
38	11.763	1643	1645	1650	rVV	438909	408119	11.60%	0.884%
39	11.810	1650	1653	1656	rVV	157230	140455	3.99%	0.304%
40	11.851	1656	1660	1662	rVV	584482	611738	17.38%	1.324%
41	11.869	1662	1663	1670	rVB	217585	158670	4.51%	0.343%
42	11.921	1670	1672	1675	rBV2	50695	49988	1.42%	0.108%
43	12.027	1687	1690	1693	rVB	270530	218710	6.21%	0.473%
44	12.069	1694	1697	1701	rBV	254897	226339	6.43%	0.490%
45	12.180	1712	1716	1719	rBV	67458	65725	1.87%	0.142%
46	12.239	1723	1726	1730	rVB2	49639	50737	1.44%	0.110%
47	12.286	1730	1734	1736	rBV	130436	129686	3.69%	0.281%
48	12.327	1736	1741	1742	rVV2	73603	91787	2.61%	0.199%
49	12.386	1746	1751	1754	rBV2	137190	146648	4.17%	0.317%
50	12.457	1758	1763	1766	rBV	3355240	3235720	91.95%	7.005%
51	12.516	1771	1773	1777	rVB2	86839	81666	2.32%	0.177%
52	12.598	1782	1787	1790	rBV2	173409	178467	5.07%	0.386%
53	12.686	1795	1802	1805	rBV2	2746938	3322701	94.42%	7.193%
54	12.727	1806	1809	1814	rVB	149647	160207	4.55%	0.347%
55	12.816	1818	1824	1827	rBV2	1244572	1200956	34.13%	2.600%
56	12.845	1827	1829	1833	rVB	180975	170509	4.85%	0.369%
57	12.898	1833	1838	1842	rBV3	164493	283916	8.07%	0.615%
58	12.933	1842	1844	1849	rVB	102999	91981	2.61%	0.199%
59	12.980	1849	1852	1854	rBV3	146470	182337	5.18%	0.395%
60	13.010	1854	1857	1860	rVB	472790	449598	12.78%	0.973%
61	13.074	1865	1868	1870	rBV	416082	335447	9.53%	0.726%
62	13.110	1870	1874	1876	rBV2	258713	294877	8.38%	0.638%
63	13.163	1881	1883	1887	rVB3	73966	77110	2.19%	0.167%
64	13.204	1887	1890	1893	rBV	139032	125925	3.58%	0.273%
65	13.239	1893	1896	1901	rBV3	158214	204742	5.82%	0.443%
66	13.433	1926	1929	1931	rVB	57343	53757	1.53%	0.116%
67	13.492	1936	1939	1942	rBV2	58045	81443	2.31%	0.176%
68	13.527	1942	1945	1947	rVV	186766	170173	4.84%	0.368%
69	13.627	1959	1962	1964	rBV2	269659	272162	7.73%	0.589%
70	13.651	1964	1966	1968	rVB	264296	187958	5.34%	0.407%
71	13.680	1968	1971	1972	rBV	186599	151692	4.31%	0.328%
72	13.733	1978	1980	1986	rVB	285498	283356	8.05%	0.613%
73	13.798	1986	1991	1994	rBV	85567	114297	3.25%	0.247%
74	13.874	1997	2004	2008	rBV3	1767207	2965567	84.27%	6.420%
75	13.910	2008	2010	2013	rVB	1489582	1116876	31.74%	2.418%
76	13.986	2020	2023	2026	rVB	345036	276507	7.86%	0.599%

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Integration Parameters: rteint.p
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Sampling : 1 Min Area: 3 % of largest Peak
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.039	2029	2032	2036	rVV2	99992	132992	3.78%	0.288%
78	14.080	2036	2039	2040	rVV	138125	130913	3.72%	0.283%
79	14.110	2043	2044	2048	rVB	166233	132186	3.76%	0.286%
80	14.227	2062	2064	2066	rBV	89493	99849	2.84%	0.216%
81	14.268	2068	2071	2073	rVV	256869	261859	7.44%	0.567%
82	14.298	2073	2076	2079	rVB2	113061	113817	3.23%	0.246%
83	14.362	2085	2087	2090	rVB	96747	80525	2.29%	0.174%
84	14.392	2090	2092	2093	rBV	123424	91827	2.61%	0.199%
85	14.410	2093	2095	2098	rVB	172409	150362	4.27%	0.326%
86	14.445	2098	2101	2102	rBV2	63486	66161	1.88%	0.143%
87	14.592	2122	2126	2130	rBV3	132883	189266	5.38%	0.410%
88	14.757	2151	2154	2159	rBV	138015	138545	3.94%	0.300%
89	14.909	2175	2180	2182	rBV	1198906	1658273	47.12%	3.590%
90	15.009	2194	2197	2201	rVB	234670	227029	6.45%	0.491%
91	15.104	2208	2213	2216	rBV3	75500	165113	4.69%	0.357%
92	15.192	2224	2228	2235	rVB	648768	830819	23.61%	1.799%
93	15.257	2235	2239	2245	rBV	988627	1172225	33.31%	2.538%
94	15.315	2245	2249	2251	rVV	489482	567434	16.12%	1.228%
95	15.345	2251	2254	2260	rVB	285748	369623	10.50%	0.800%
96	15.851	2337	2340	2349	rVB2	87404	160356	4.56%	0.347%
97	16.721	2482	2488	2495	rBV	422658	777402	22.09%	1.683%
98	16.880	2511	2515	2520	rVB	94266	146423	4.16%	0.317%
99	17.145	2555	2560	2568	rBV	272434	528209	15.01%	1.143%
100	17.380	2596	2600	2608	rVB	90670	198487	5.64%	0.430%

Sum of corrected areas: 46193319

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Instrument :
BNA_F
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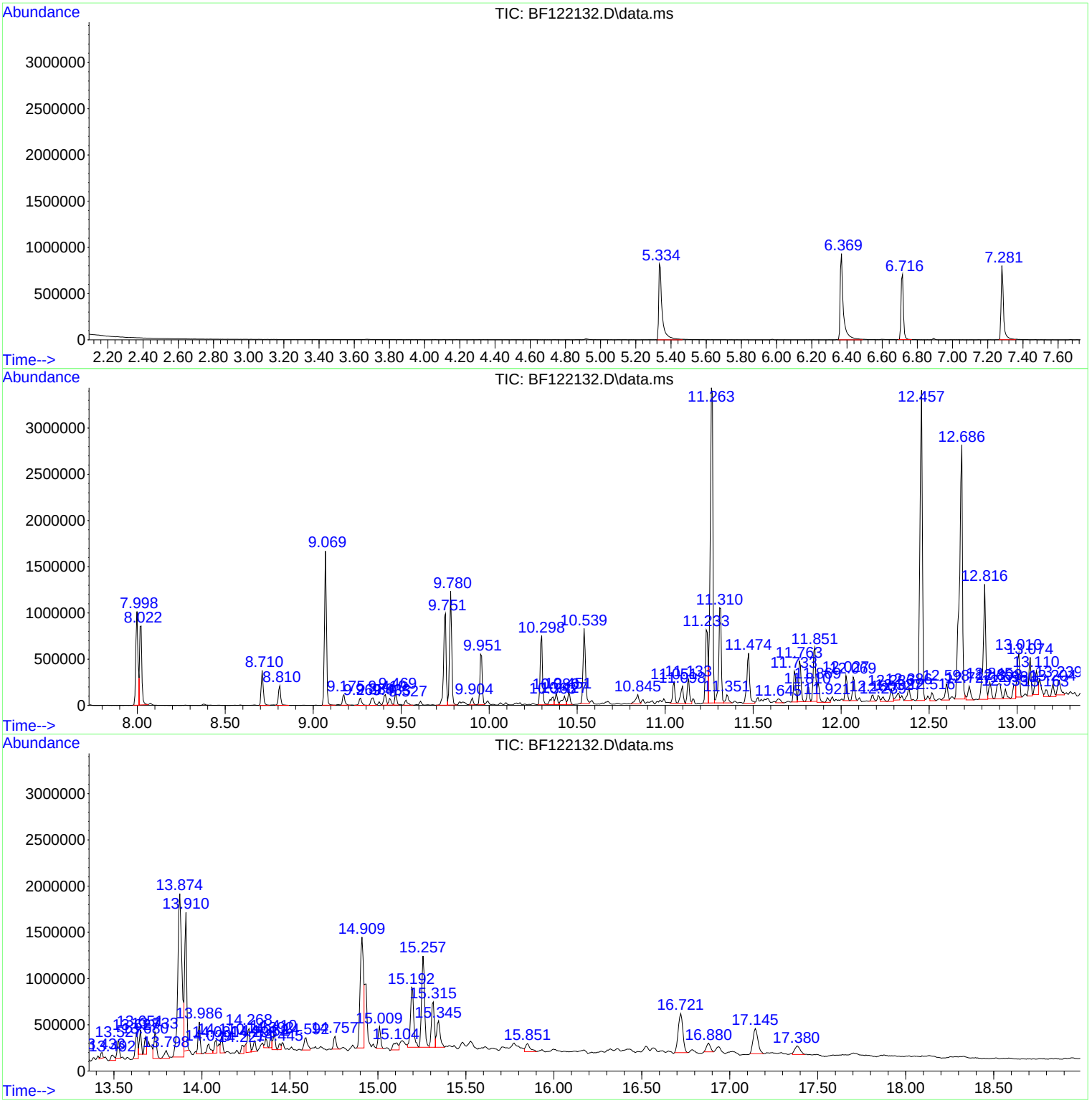
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
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Instrument :
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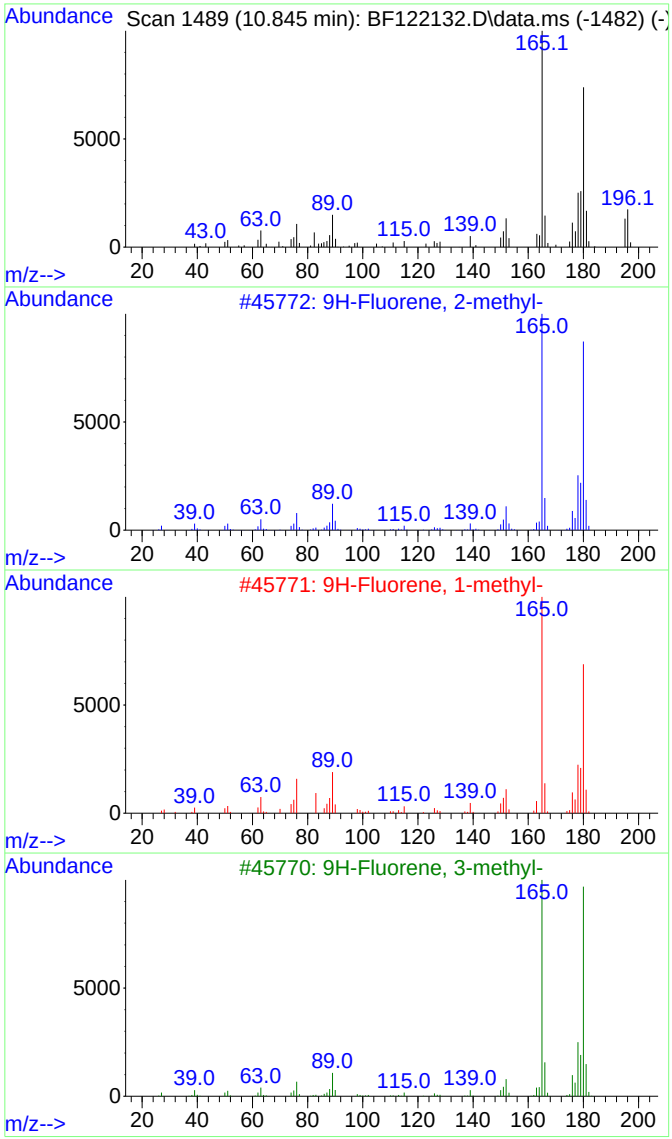
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

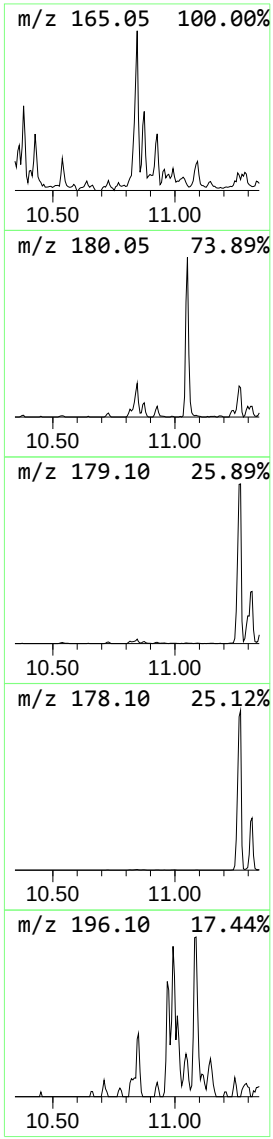
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.845	3.40 ng	139966	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122132.D
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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

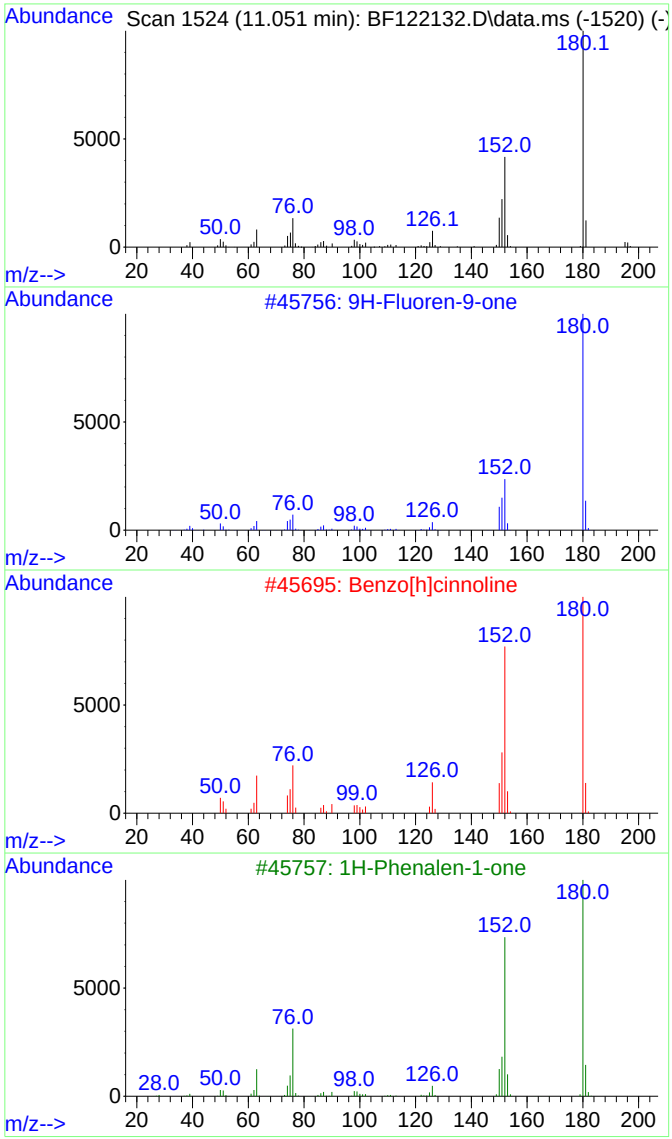
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

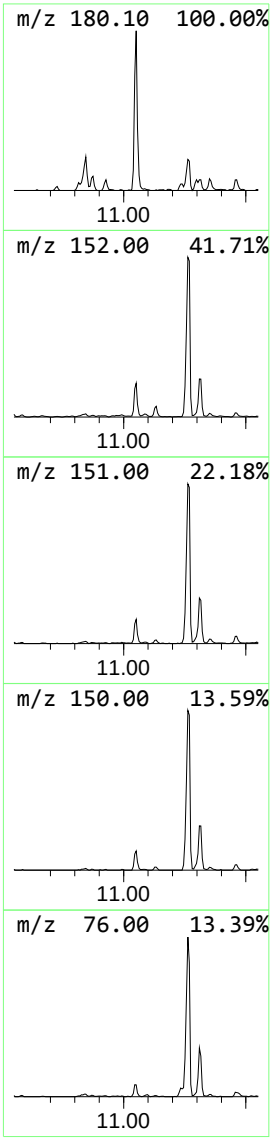
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.051	4.79 ng	197316	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	Benzaldehyde, 4-nitro-, O-methyl...	180	C8H8N2O3	033499-32-0	43
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
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Acq On : 26 Oct 2020 23:46
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Misc :
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Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
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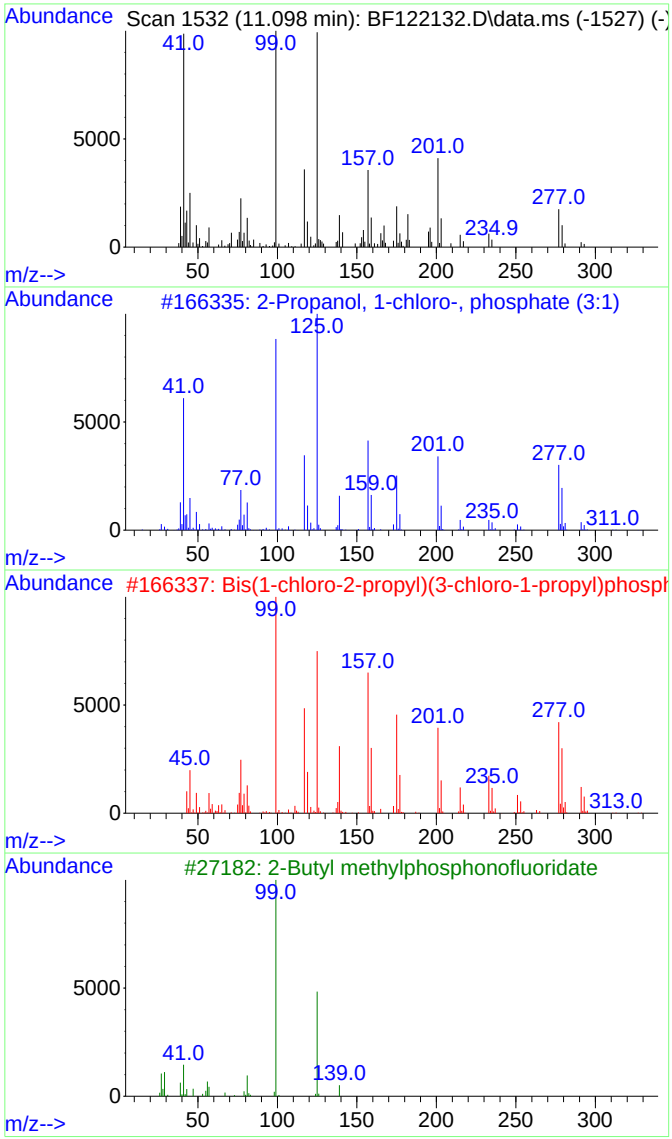
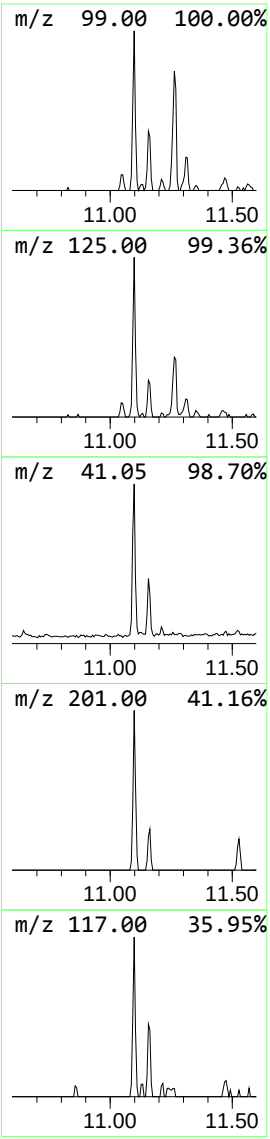
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Propanol, 1-chloro-, phos... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.098	4.99 ng	205551	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	90
2	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	43
3	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	43
4	Triisopropylphosphate	224	C9H21O4P	000513-02-0	25
5	Spiro[1,3-dioxolane-2,2'(1'H)-na...	196	C12H20O2	006857-86-9	22





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Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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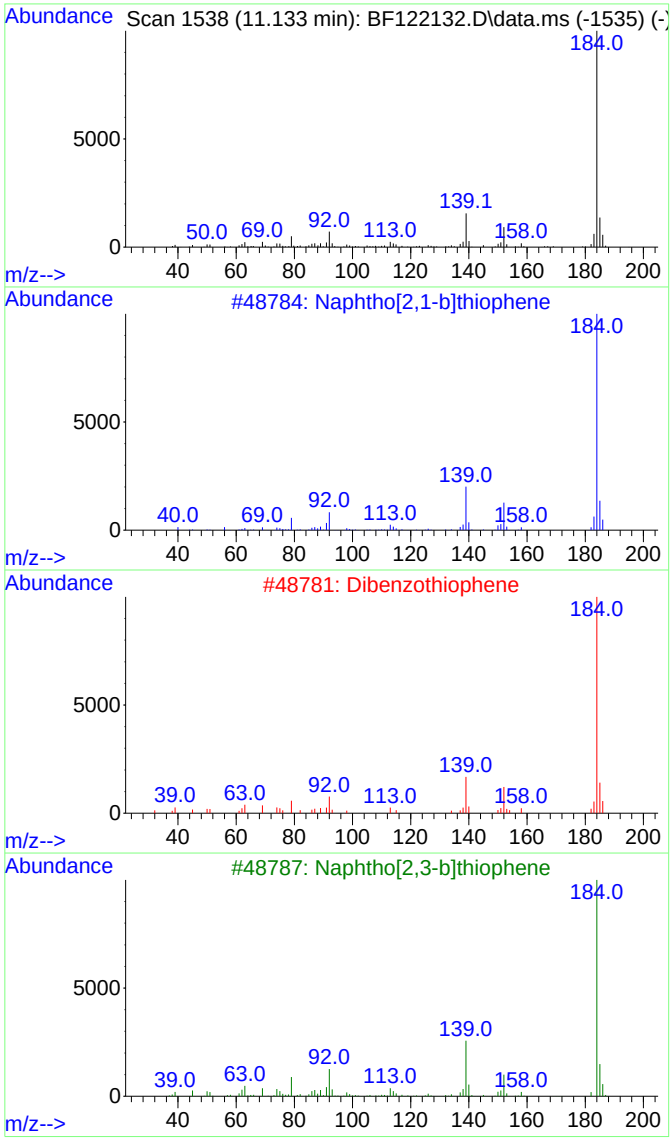
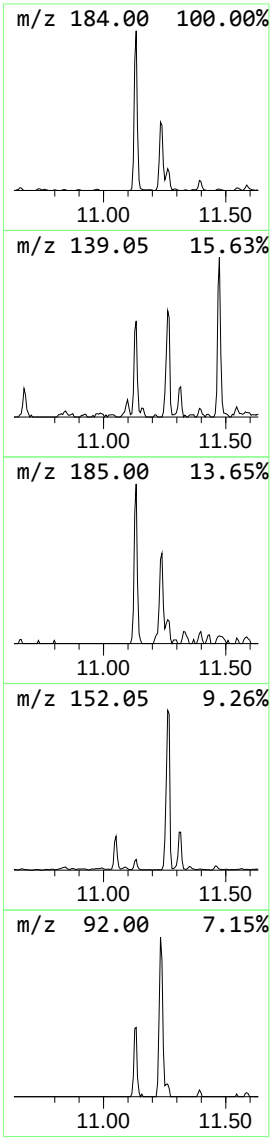
Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	5.98 ng	246388	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122132.D
Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

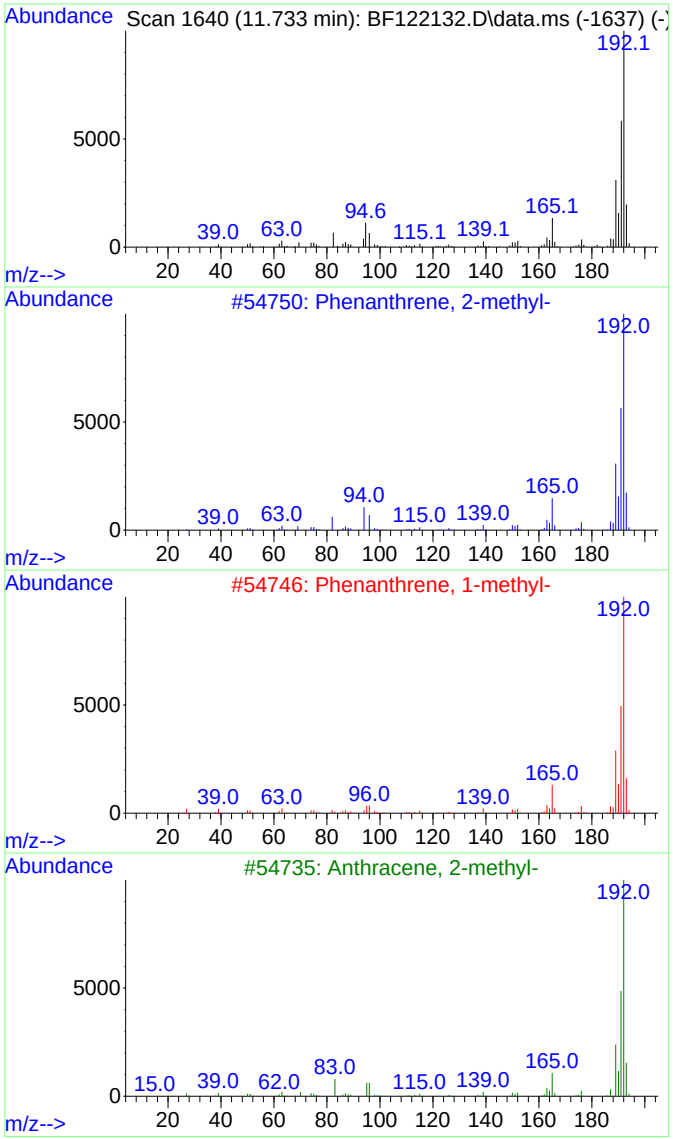
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

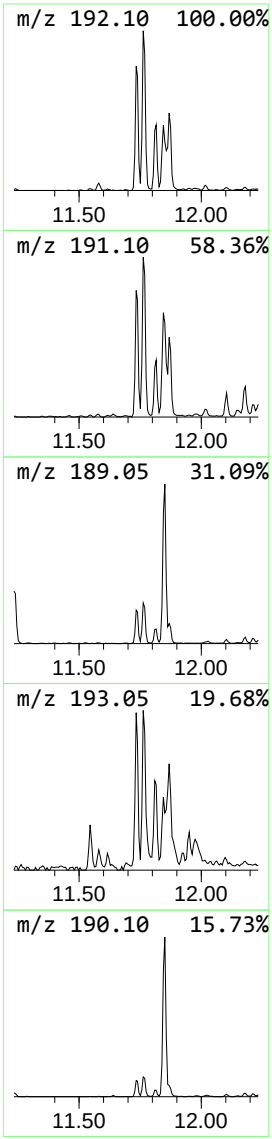
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.733	7.28 ng	300118	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

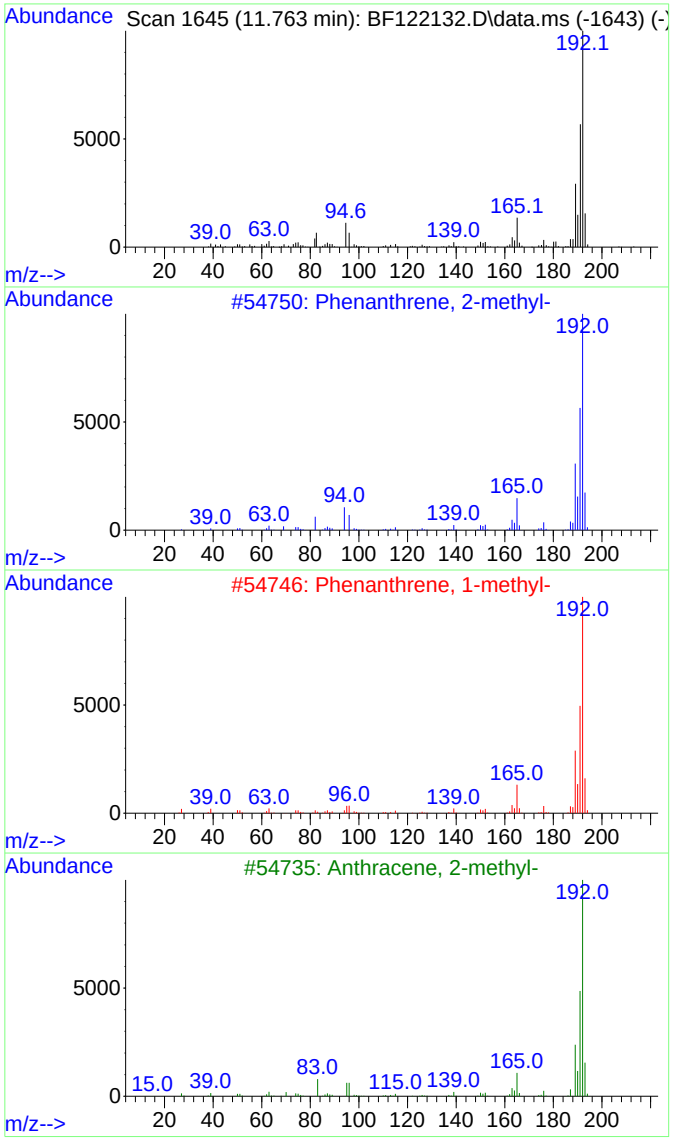
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

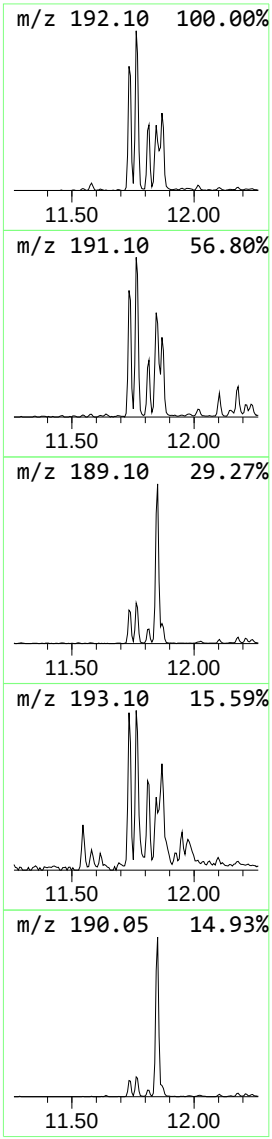
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	9.90 ng	408119	Phenanthrene-d10	11.233

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

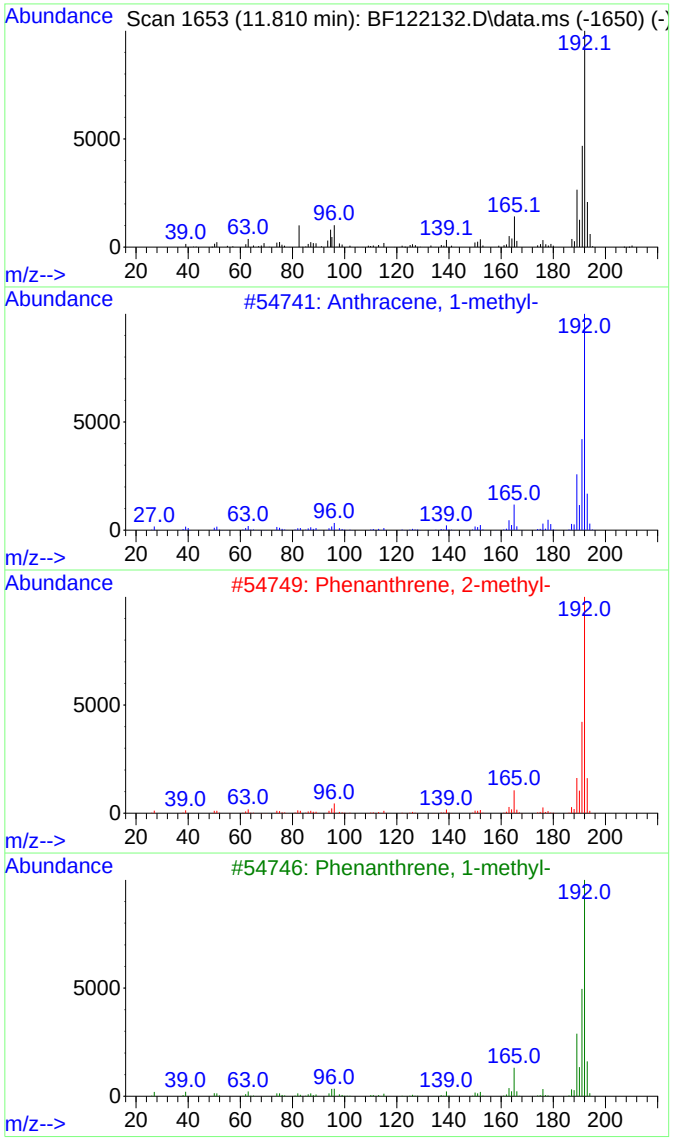
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

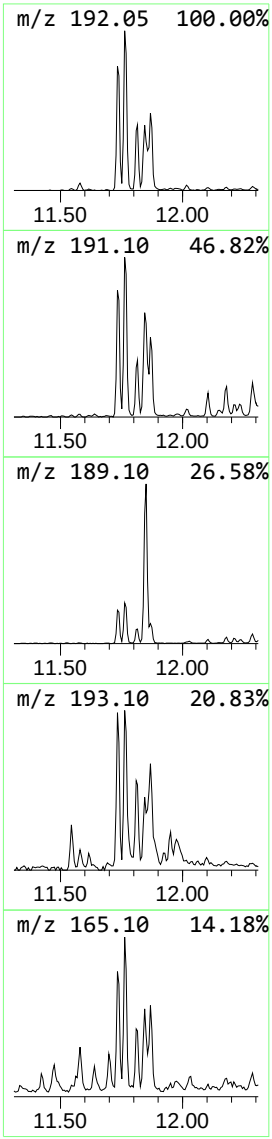
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	3.41 ng	140455	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

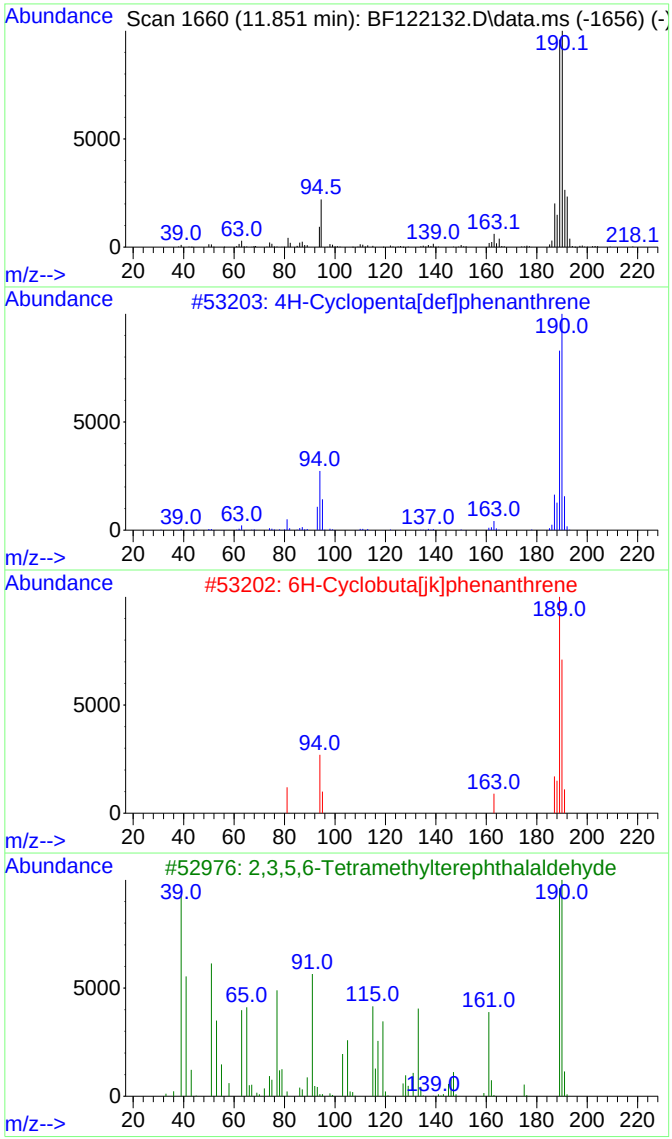
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

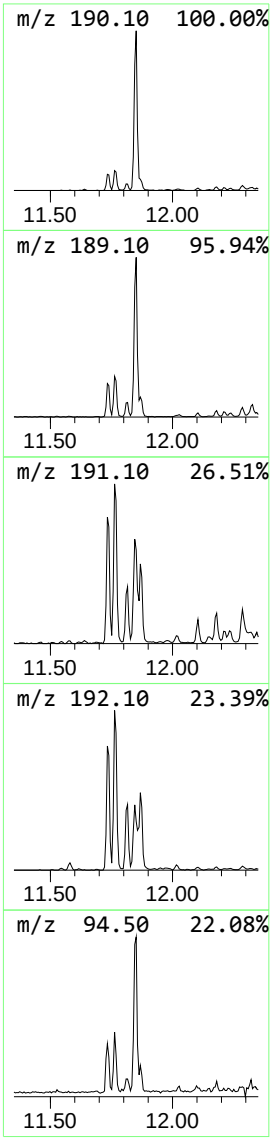
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	14.84 ng	611738	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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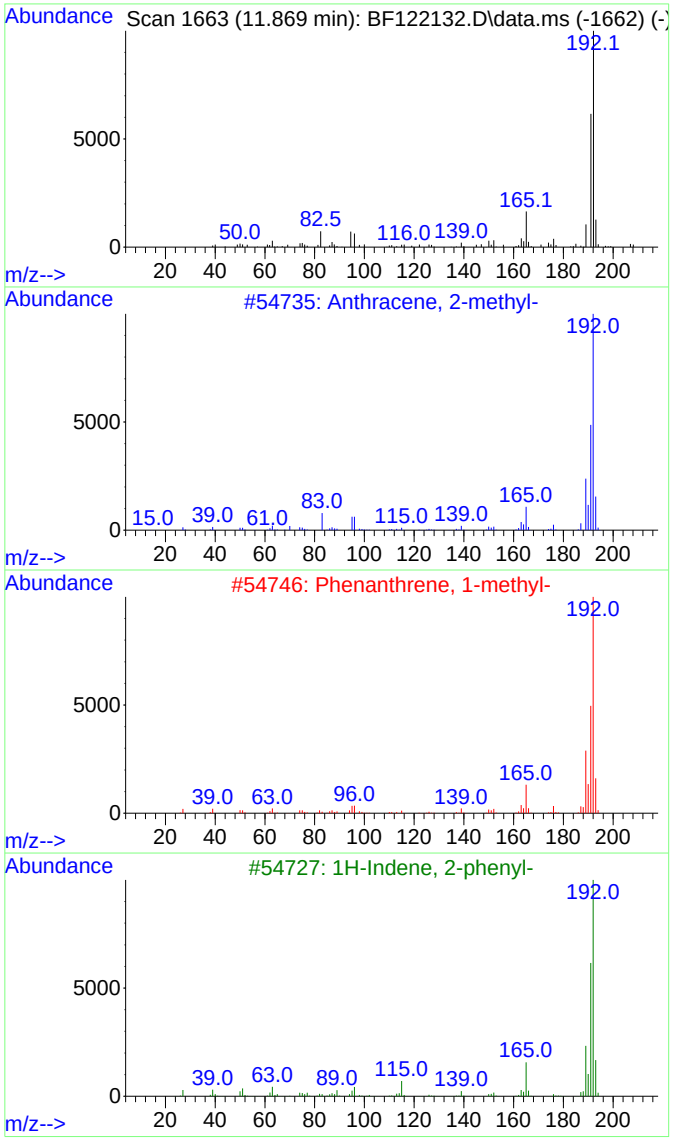
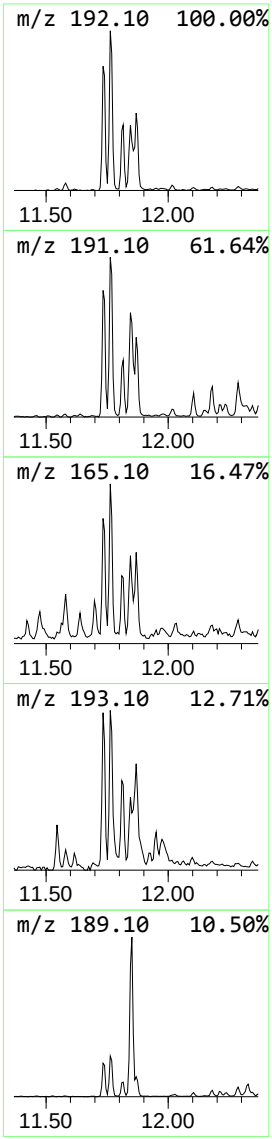
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.868	3.85 ng	158670	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	86





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Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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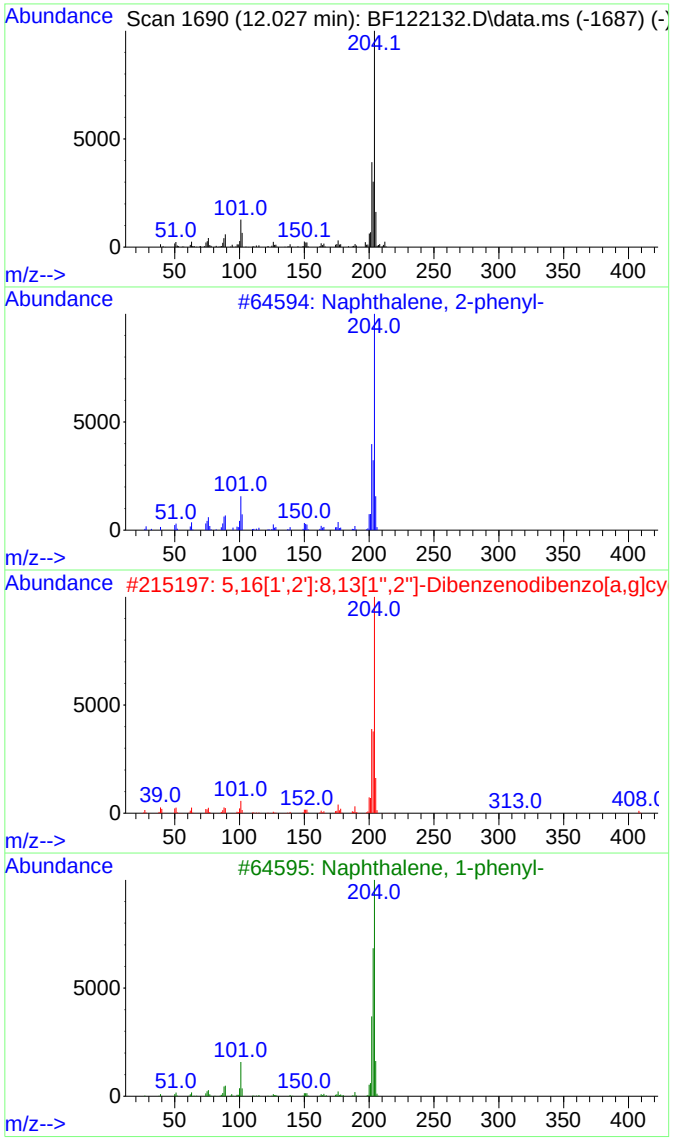
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

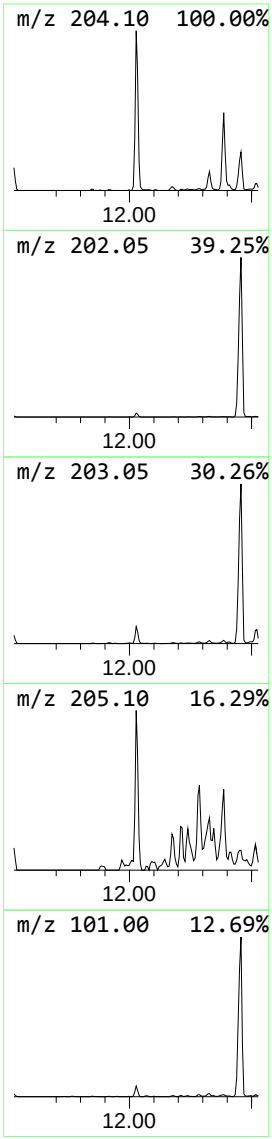
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	5.31 ng	218710	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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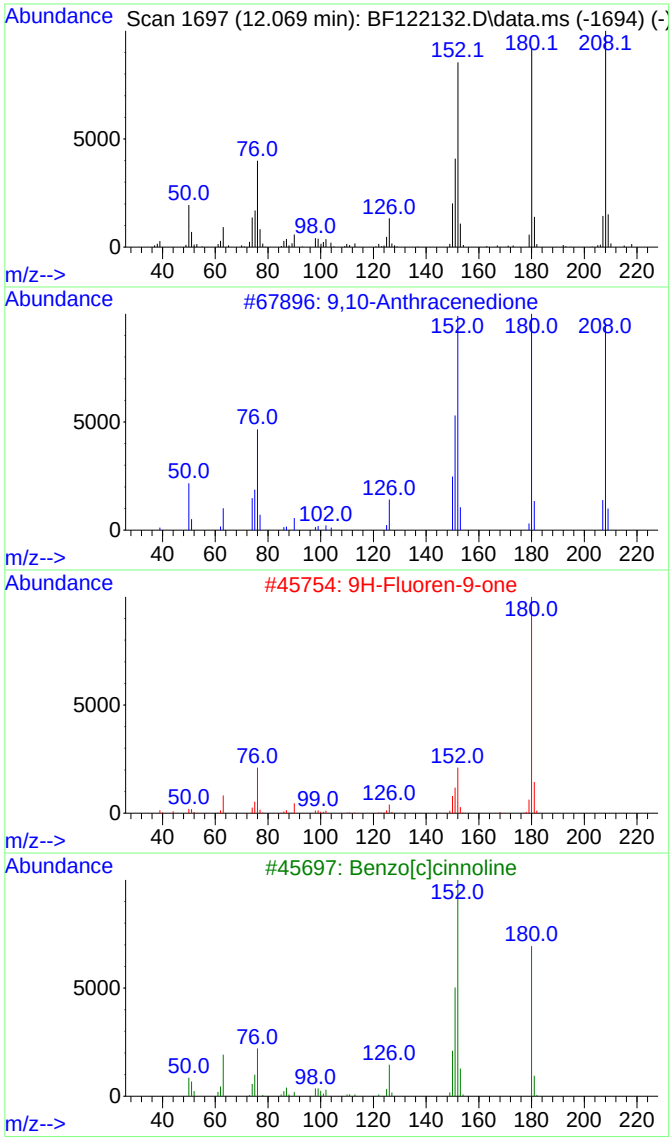
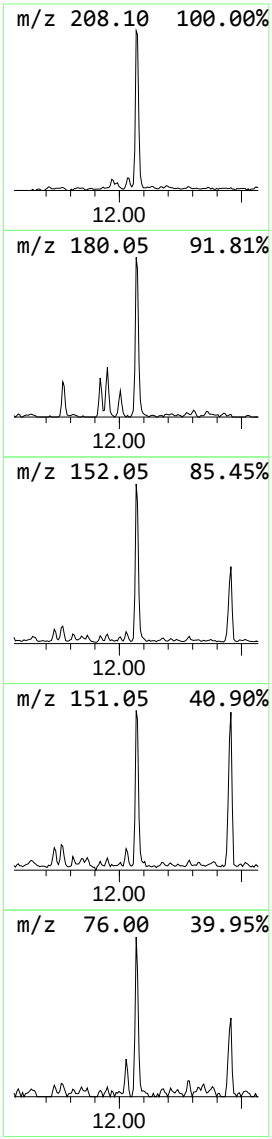
Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	5.49 ng	226339	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

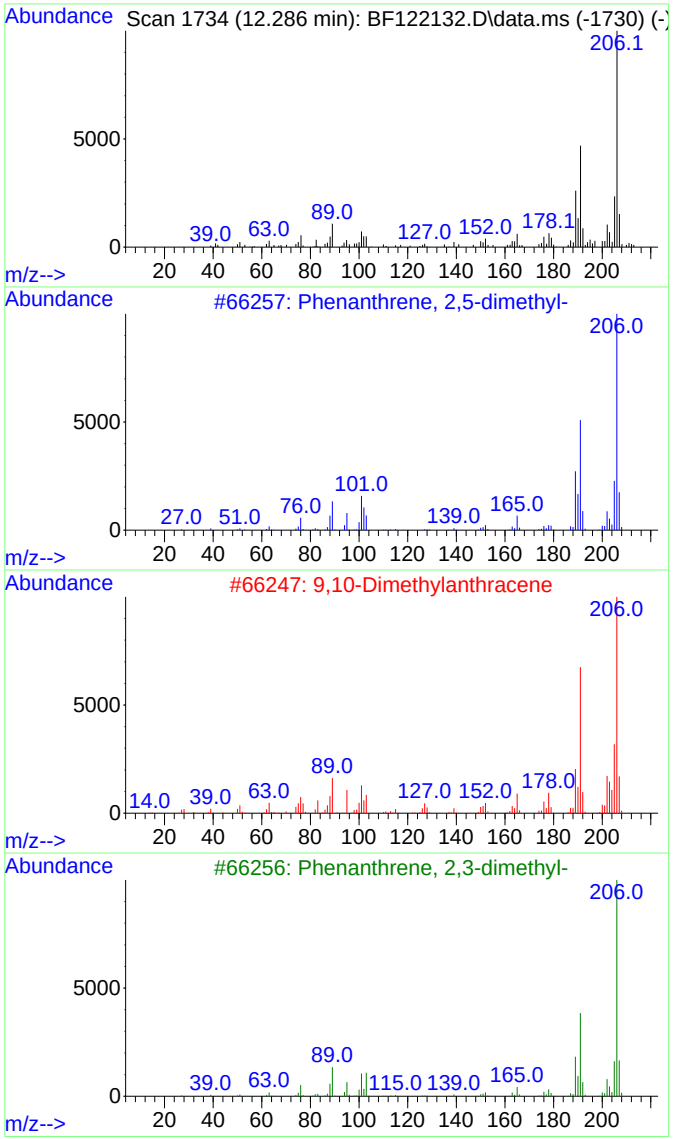
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

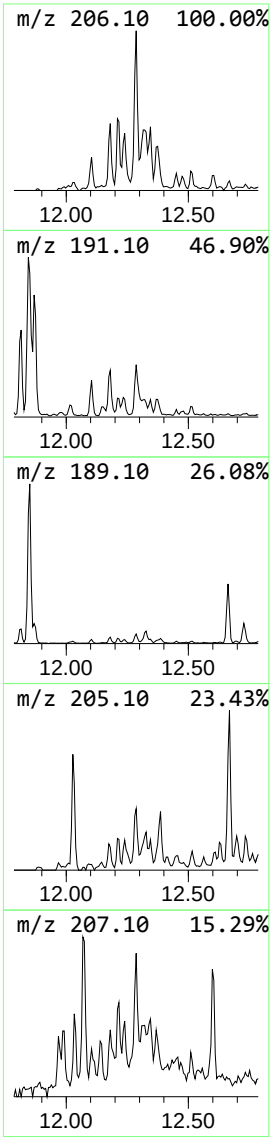
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	3.15 ng	129686	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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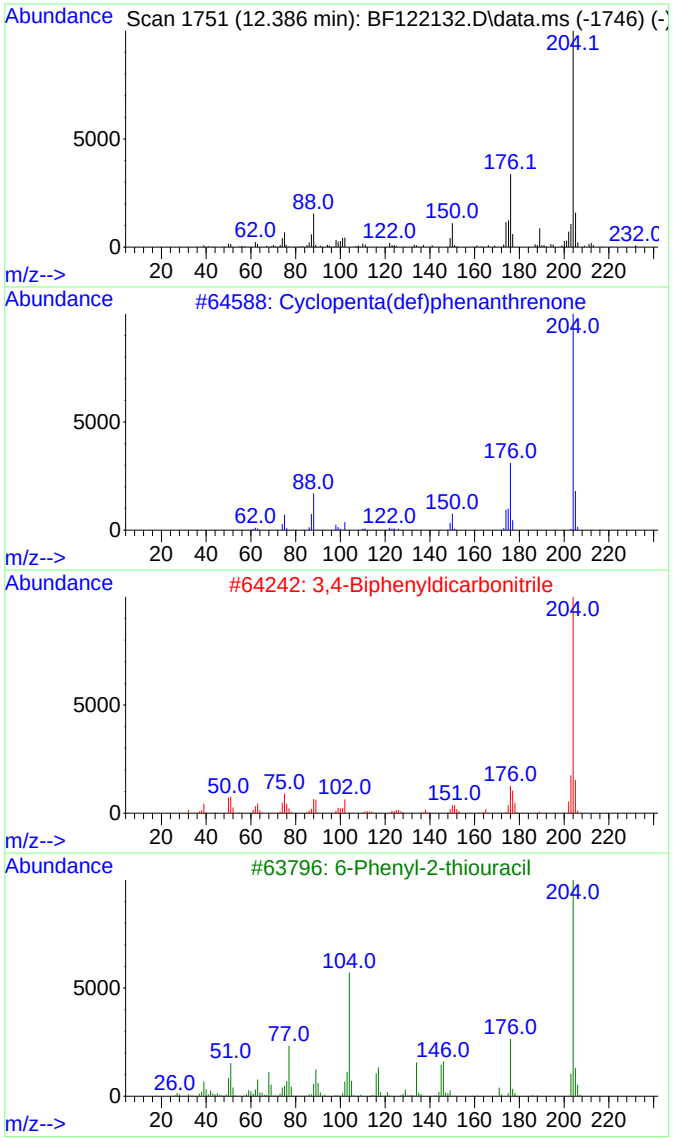
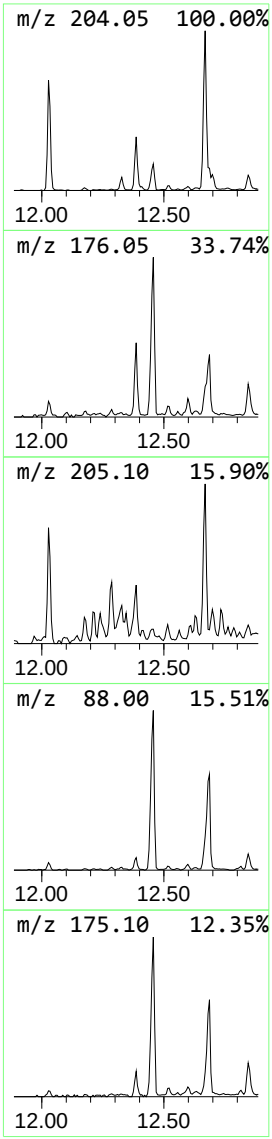
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	3.56 ng	146648	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	59
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	50





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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

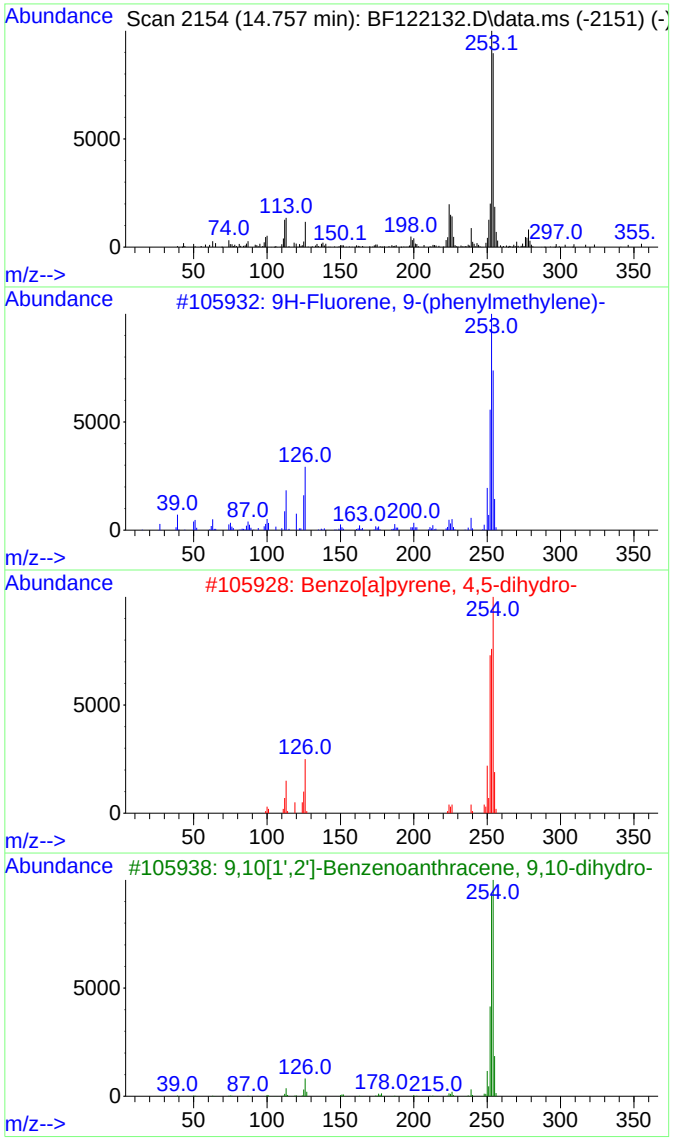
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

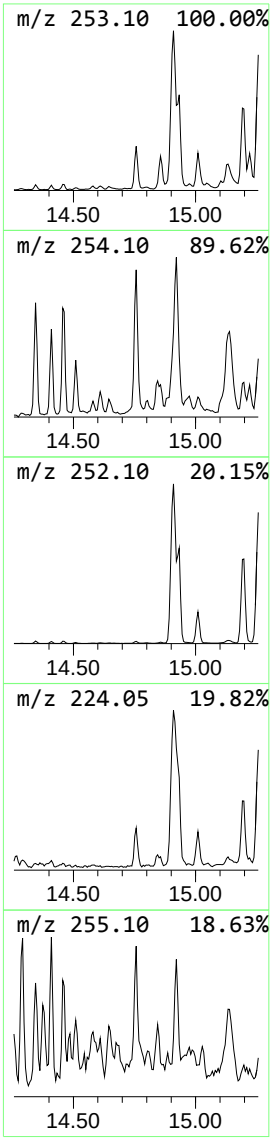
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.757	4.88 ng	138545	Perylene-d12	15.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64





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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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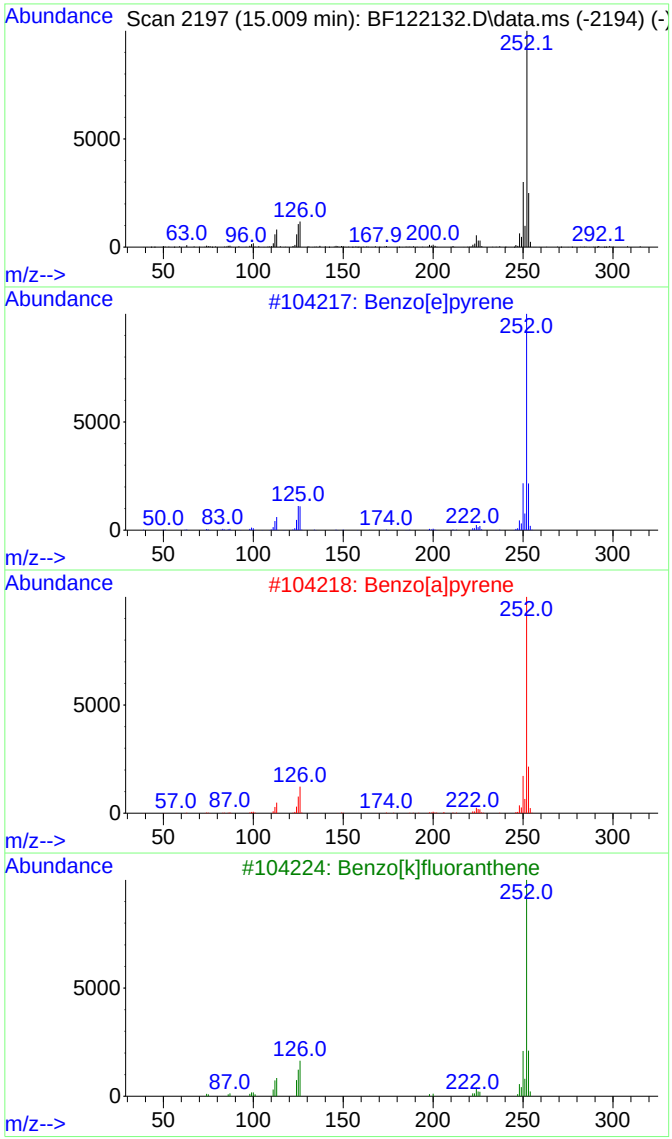
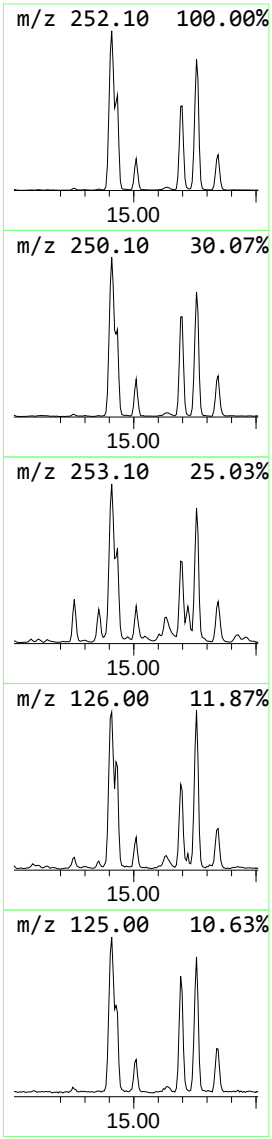
Peak Number 15 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.009	8.00 ng	227029	Perylene-d12	15.315

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	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

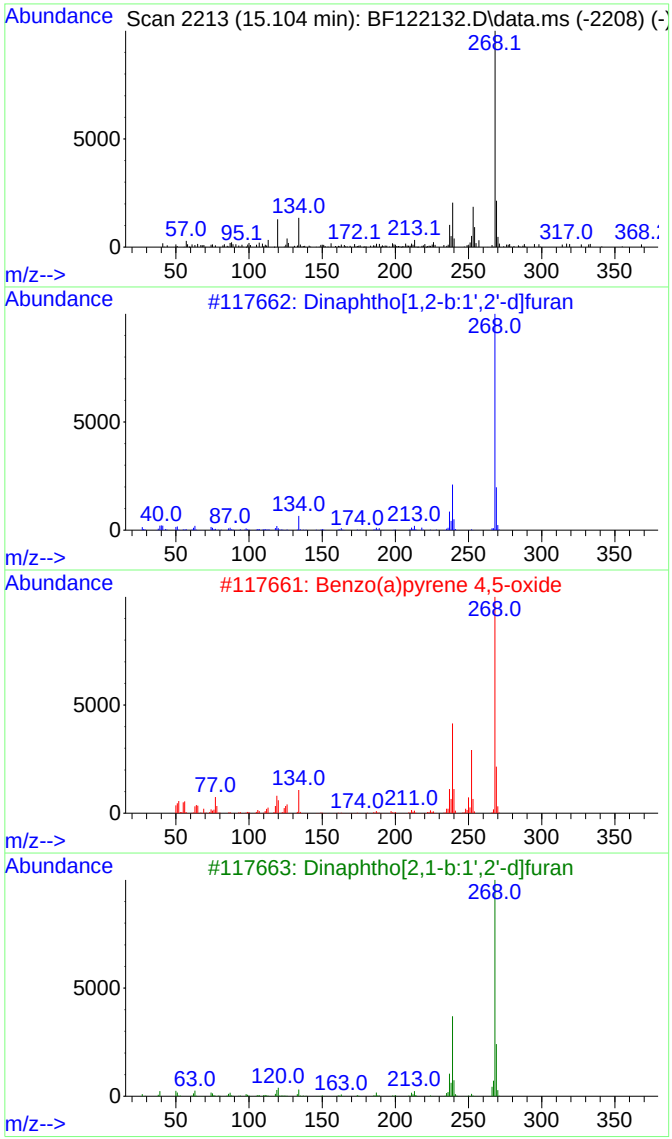
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

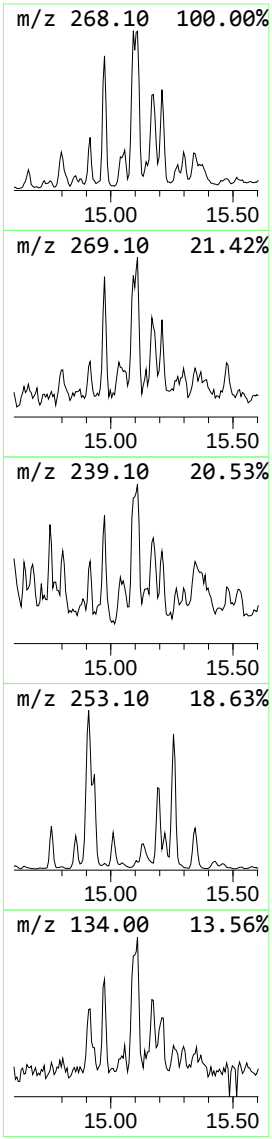
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	5.82 ng	165113	Perylene-d12	15.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	87
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
4	3-Methylcholanthrene	268	C21H16	000056-49-5	59
5	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	59





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Data File : BF122132.D
Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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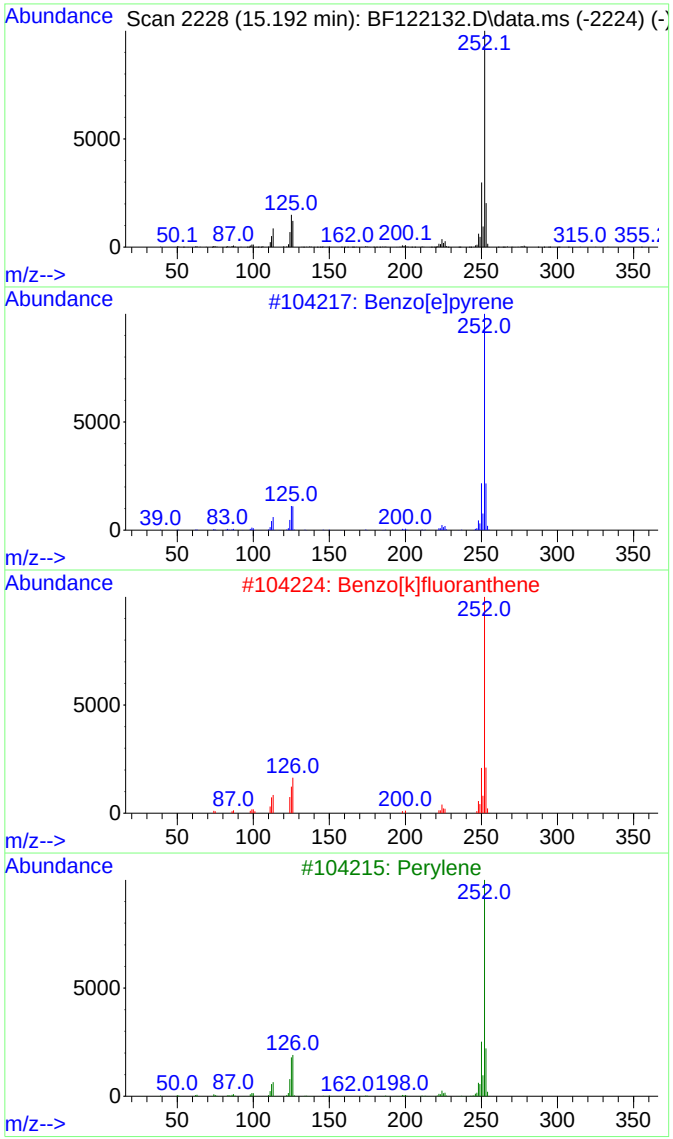
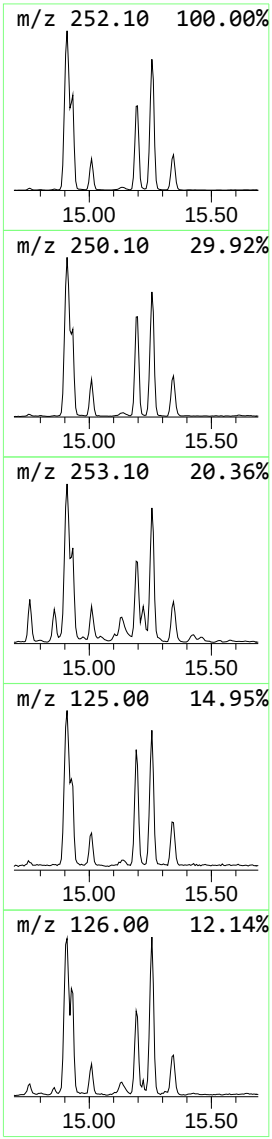
Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	29.28 ng	830819	Perylene-d12	15.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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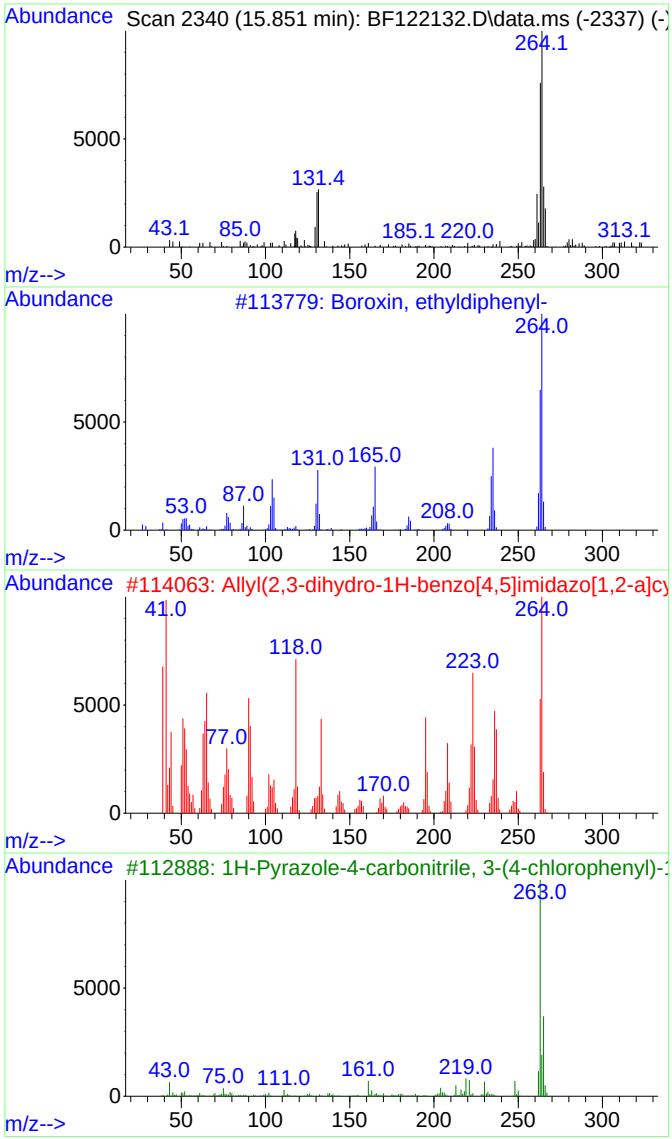
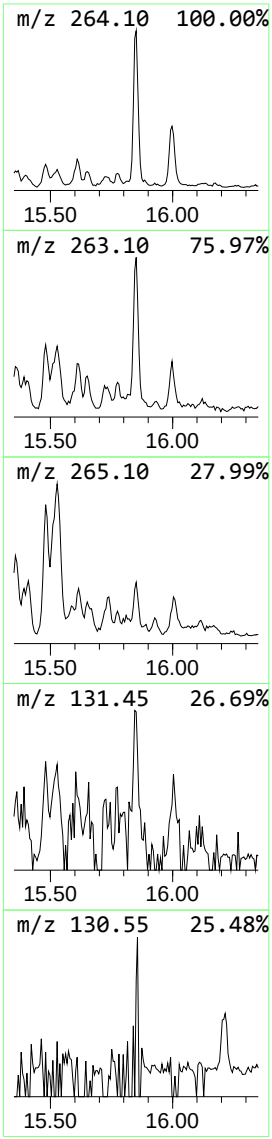
Peak Number 18 Boroxin, ethyldiphenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.851	5.65 ng	160356	Perylene-d12	15.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
4	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	38
5	Perylene-D12	264	C20D12	001520-96-3	25





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Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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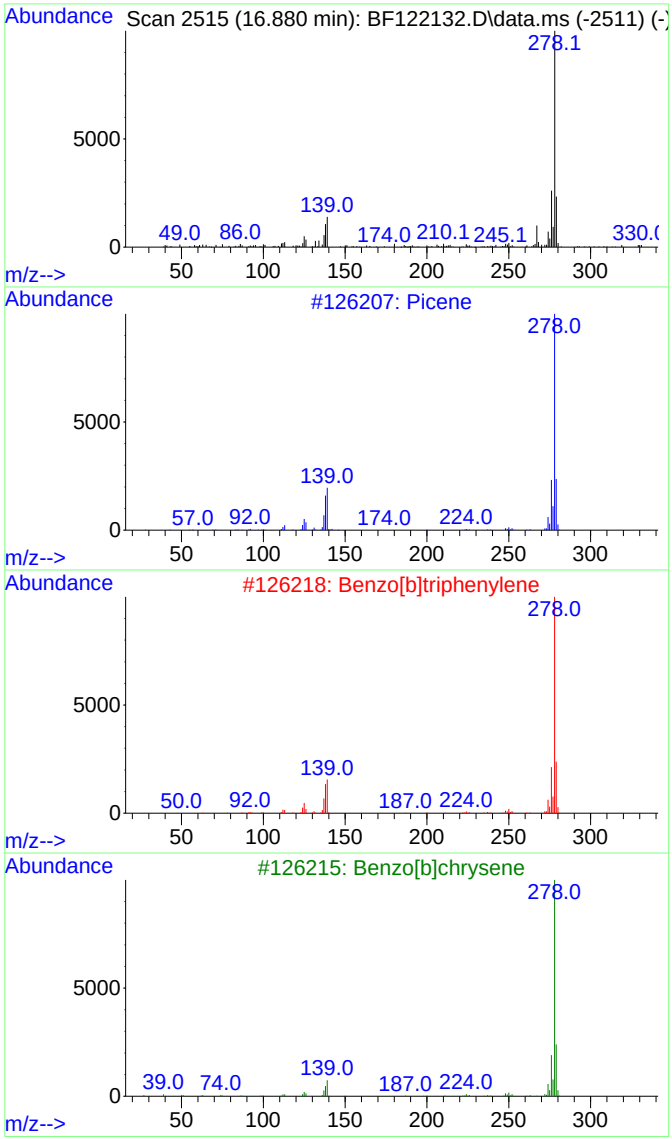
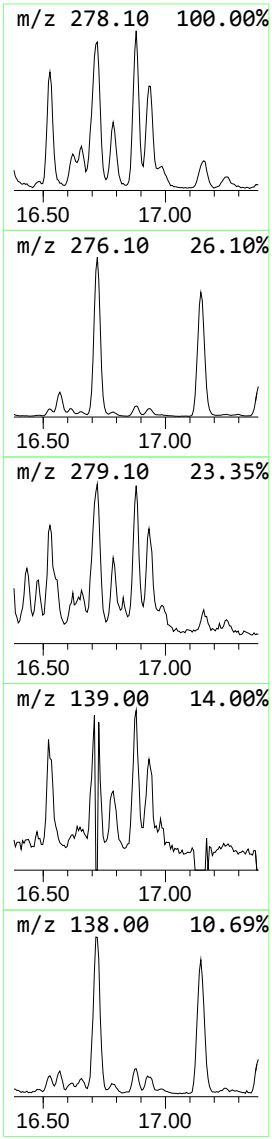
Peak Number 19 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.880	5.16 ng	146423	Perylene-d12	15.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Benzo[b]chrysene	278	C22H14	000214-17-5	96
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5	Pentacene	278	C22H14	000135-48-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122132.D
Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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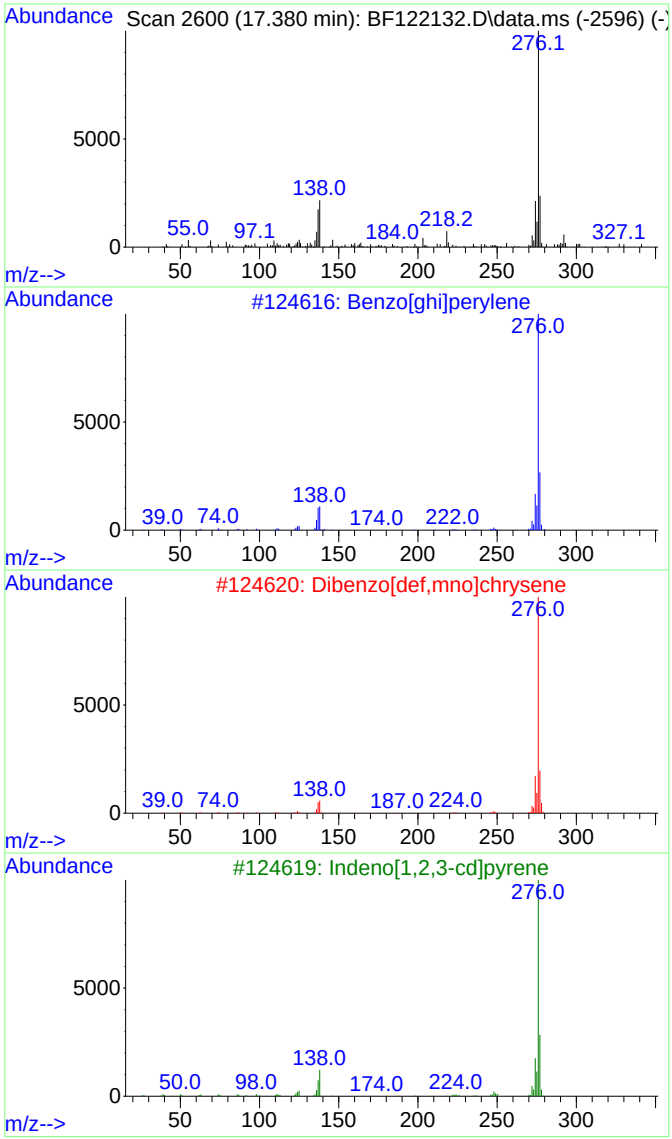
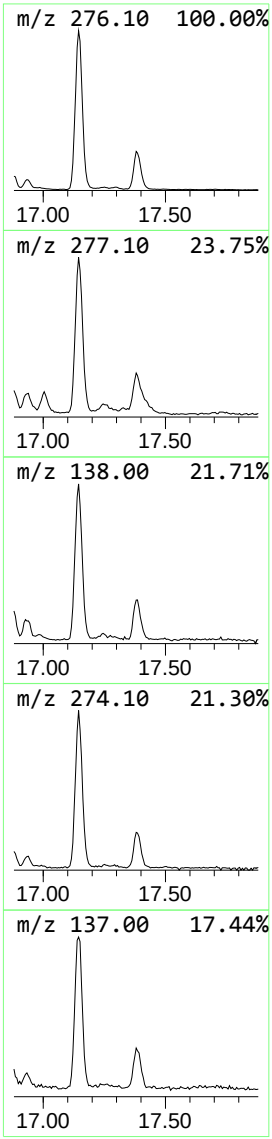
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.380	7.00 ng	198487	Perylene-d12	15.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122132.D
Acq On : 26 Oct 2020 23:46
Operator : JU/CG
Sample : L4510-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
9H-Fluorene, 2-...	10.845	3.4	ng	139966	4	11.233	824306	20.0
9H-Fluoren-9-one	11.051	4.8	ng	197316	4	11.233	824306	20.0
2-Propanol, 1-c...	11.098	5.0	ng	205551	4	11.233	824306	20.0
Naphtho[2,1-b]t...	11.133	6.0	ng	246388	4	11.233	824306	20.0
Phenanthrene, 2...	11.733	7.3	ng	300118	4	11.233	824306	20.0
Phenanthrene, 1...	11.763	9.9	ng	408119	4	11.233	824306	20.0
Anthracene, 1-m...	11.810	3.4	ng	140455	4	11.233	824306	20.0
4H-Cyclopenta[d...	11.851	14.8	ng	611738	4	11.233	824306	20.0
Anthracene, 2-m...	11.868	3.9	ng	158670	4	11.233	824306	20.0
Naphthalene, 2-...	12.027	5.3	ng	218710	4	11.233	824306	20.0
9,10-Anthracene...	12.069	5.5	ng	226339	4	11.233	824306	20.0
Phenanthrene, 2...	12.286	3.1	ng	129686	4	11.233	824306	20.0
Cyclopenta(def)...	12.386	3.6	ng	146648	4	11.233	824306	20.0
9H-Fluorene, 9-...	14.757	4.9	ng	138545	6	15.315	567434	20.0
Benzo[e]pyrene	15.009	8.0	ng	227029	6	15.315	567434	20.0
Dinaphtho[1,2-b...	15.104	5.8	ng	165113	6	15.315	567434	20.0
Perylene	15.192	29.3	ng	830819	6	15.315	567434	20.0
Boroxin, ethyld...	15.851	5.7	ng	160356	6	15.315	567434	20.0
Picene	16.880	5.2	ng	146423	6	15.315	567434	20.0
Dibenzo[def,mno...	17.380	7.0	ng	198487	6	15.315	567434	20.0