LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122884.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.399	389	393	402	rBV	390341	487243	7.26%	0.550%
2	5.028	496	500	513	rVB	358451	423127	6.30%	0.477%
3	5.440	567	570	579	rBV	1504460	1677767	24.99%	1.893%
4	5.510	579	582	585	rVB	377658	308128	4.59%	0.348%
5	6.457	739	743	763	rBV	1578860	1642180	24.46%	1.852%
6	6.816	801	804	814	rBV	695291	635344	9.46%	0.717%
7	7.081	846	849	866	rVB	89547	99761	1.49%	0.113%
8	7.381	896	900	912	rBV	1160458	1055381	15.72%	1.190%
9	8.104	1019	1023	1026	rBV	880020	765822	11.41%	0.864%
10	8.881	1151	1155	1159	rVV2	83060	109424	1.63%	0.123%
11	9.175	1201	1205	1216	rVB	2064718	1984812	29.57%	2.239%
12	9.722	1294	1298	1304	rVB	397092	374026	5.57%	0.422%
13	9.857	1312	1321	1324	rBV	1097575	934454	13.92%	1.054%
14	9.886	1324	1326	1331	rVB	303733	286027	4.26%	0.323%
15	10.063	1353	1356	1359	rBV	167819	150749	2.25%	0.170%
16	10.404	1411	1414	1420	rVB	287522	247679	3.69%	0.279%
17	10.645	1449	1455	1466	rBV	1233946	1336987	19.92%	1.508%
18	10.775	1472	1477	1483	rVB	183958	181800	2.71%	0.205%
19	11.151	1538	1541	1546	rVB	381360	310725	4.63%	0.350%
20	11.239	1553	1556	1562	rVB	171317	163128	2.43%	0.184%
21	11.292	1562	1565	1569	rBV	126041	113900	1.70%	0.128%
22	11.345	1570	1574	1576	rBV	952864	870180	12.96%	0.982%
23	11.375	1576	1579	1582	rVV	2216433	2072441	30.87%	2.338%
24	11.422	1582	1587	1590	rVV	1067117	878673	13.09%	0.991%
25	11.580	1607	1614	1621	rBV2	1001951	1088339	16.21%	1.228%
26	11.845	1654	1659	1661	rBV2	273559	273372	4.07%	0.308%
27	11.875	1661	1664	1668	rVB	663729	558835	8.32%	0.630%
28	11.922	1670	1672	1675	rVB	126713	104973	1.56%	0.118%
29	11.963	1675	1679	1681	rBV2	470523	502068	7.48%	0.566%
30	12.027	1687	1690	1692	rBV	118714	116559	1.74%	0.131%
31	12.057	1692	1695	1697	rVV2	185881	182154	2.71%	0.205%
32	12.086	1697	1700	1703	rVV2	160165	238193	3.55%	0.269%
33	12.145	1707	1710	1712	rVV	298029	285354	4.25%	0.322%
34	12.175	1712	1715	1719	rVV	1275165	1172954	17.47%	1.323%
35	12.292	1730	1735	1738	rBV4	127125	166914	2.49%	0.188%
36	12.398	1750	1753	1755	rBV	164741	166585	2.48%	0.188%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.433	1755	1759	1762	rVV	512563	518670	7.73%	0.585%
38	12.492	1766	1769	1773	rBV	604318	637067	9.49%	0.719%
39	12.575	1777	1783	1786	rBV	5050746	6713114	100.00%	7.572%
40	12.627	1790	1792	1795	rVB	237787	193441	2.88%	0.218%
41	12.657	1795	1797	1801	rBV	333663	305135	4.55%	0.344%
42	12.710	1801	1806	1809	rBV3	446872	580066	8.64%	0.654%
43	12.804	1815	1822	1825	rBV2	4675200	6701460	99.83%	7.559%
44	12.839	1825	1828	1835	rVB	334773	361090	5.38%	0.407%
45	12.910	1837	1840	1841	rBV	458977	399226	5.95%	0.450%
46	12.933	1841	1844	1846	rVV	2293415	2032455	30.28%	2.293%
47	12.957	1846	1848	1851	rVB	892876	744961	11.10%	0.840%
48	13.016	1852	1858	1861	rBV2	500233	727938	10.84%	0.821%
49	13.045	1861	1863	1865	rVB	190878	137695	2.05%	0.155%
50	13.098	1868	1872	1874	rBV3	493716	657317	9.79%	0.741%
51	13.122	1874	1876	1879	rVB	714484	599612	8.93%	0.676%
52	13.157	1879	1882	1884	rBV2	149881	170919	2.55%	0.193%
53	13.186	1884	1887	1890	rBV	456759	404623	6.03%	0.456%
54	13.222	1890	1893	1896	rBV2	596904	718990	10.71%	0.811%
55	13.280	1901	1903	1906	rVB	156214	129201	1.92%	0.146%
56	13.316	1906	1909	1912	rBV	350623	319697	4.76%	0.361%
57	13.351	1912	1915	1922	rVB2	288333	402192	5.99%	0.454%
58	13.410	1922	1925	1927	rBV	221781	197608	2.94%	0.223%
59	13.498	1937	1940	1942	rBV3	117070	132541	1.97%	0.150%
60	13.545	1946	1948	1950	rBV2	148088	107161	1.60%	0.121%
61	13.610	1956	1959	1960	rBV2	123642	128869	1.92%	0.145%
62	13.633	1960	1963	1970	rVB	1404711	1465553	21.83%	1.653%
63	13.745	1978	1982	1984	rBV	1285036	1315344	19.59%	1.484%
64	13.769	1984	1986	1988	rVV	1002132	874099	13.02%	0.986%
65	13.798	1988	1991	1996	rVV3	955756	1345229	20.04%	1.517%
66	13.845	1996	1999	2002	rVV	1540468	1615763	24.07%	1.823%
67	13.874	2002	2004	2007	rVB	343200	265157	3.95%	0.299%
68	13.910	2008	2010	2016	rVB	226055	308723	4.60%	0.348%
69	13.969	2016	2020	2021	rBV	812122	845296	12.59%	0.953%
70	13.992	2021	2024	2027	rVV3	2094218	3578260	53.30%	4.036%
71	14.033	2027	2031	2037	rVB	3800901	4764289	70.97%	5.374%
72	14.080	2037	2039	2041	rBV2	128608	139693	2.08%	0.158%
73	14.104	2041	2043	2045	rVV	365682	301666	4.49%	0.340%
74	14.121	2045	2046	2049	rVB2	259114	182321	2.72%	0.206%
75	14.210	2059	2061	2066	rVB2	423728	657284	9.79%	0.741%
76	14.257	2066	2069	2071	rBV2	273701	216717	3.23%	0.244%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.280	2071	2073	2076	rVB2	119937	96451	1.44%	0.109%
78	14.345	2081	2084	2086	rBV2	269608	286382	4.27%	0.323%
79	14.380	2086	2090	2093	rVB	436281	529284	7.88%	0.597%
80	14.433	2093	2099	2101	rBV2	950603	1139016	16.97%	1.285%
81	14.463	2101	2104	2106	rBV	166787	118501	1.77%	0.134%
82	14.510	2109	2112	2113	rBV2	398465	376390	5.61%	0.425%
83	14.574	2121	2123	2128	rVB	273521	284779	4.24%	0.321%
84	14.698	2141	2144	2148	rBV2	520739	530437	7.90%	0.598%
85	14.745	2149	2152	2158	rVB2	485008	514199	7.66%	0.580%
86	14.827	2162	2166	2170	rBV3	675178	769297	11.46%	0.868%
87	14.880	2172	2175	2178	rVB2	332874	357250	5.32%	0.403%
88	14.968	2187	2190	2193	rBV	234024	252619	3.76%	0.285%
89	15.057	2197	2205	2207	rBV2	3166742	6191165	92.22%	6.984%
90	15.151	2217	2221	2224	rVB	450671	474716	7.07%	0.535%
91	15.233	2232	2235	2240	rBV3	289989	445167	6.63%	0.502%
92	15.351	2249	2255	2260	rVB	1936407	2879356	42.89%	3.248%
93	15.410	2260	2265	2268	rVV	1603027	1972557	29.38%	2.225%
94	15.445	2268	2271	2272	rVV	404436	440027	6.55%	0.496%
95	15.468	2272	2275	2278	rVV2	827923	1110874	16.55%	1.253%
96	15.498	2278	2280	2286	rVB2	478087	654073	9.74%	0.738%
97	15.604	2294	2298	2301	rBV2	276892	365680	5.45%	0.412%
98	16.939	2517	2525	2540	rVB2	1033722	3132824	46.67%	3.534%
99	17.115	2548	2555	2559	rBV5	195153	539224	8.03%	0.608%
100	17.374	2592	2599	2610	rVB	625252	1329440	19.80%	1.500%

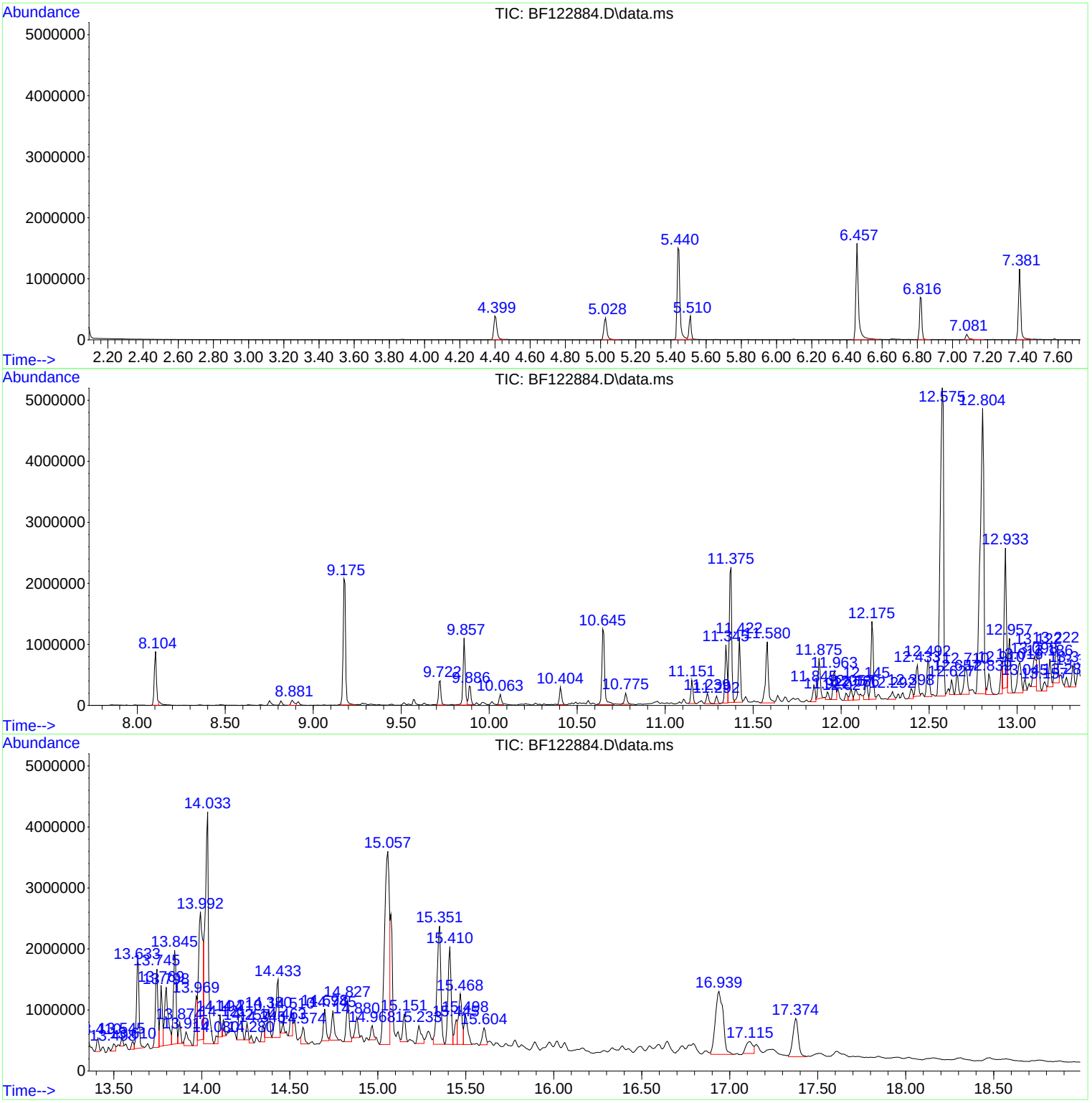
Sum of corrected areas: 88652208

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

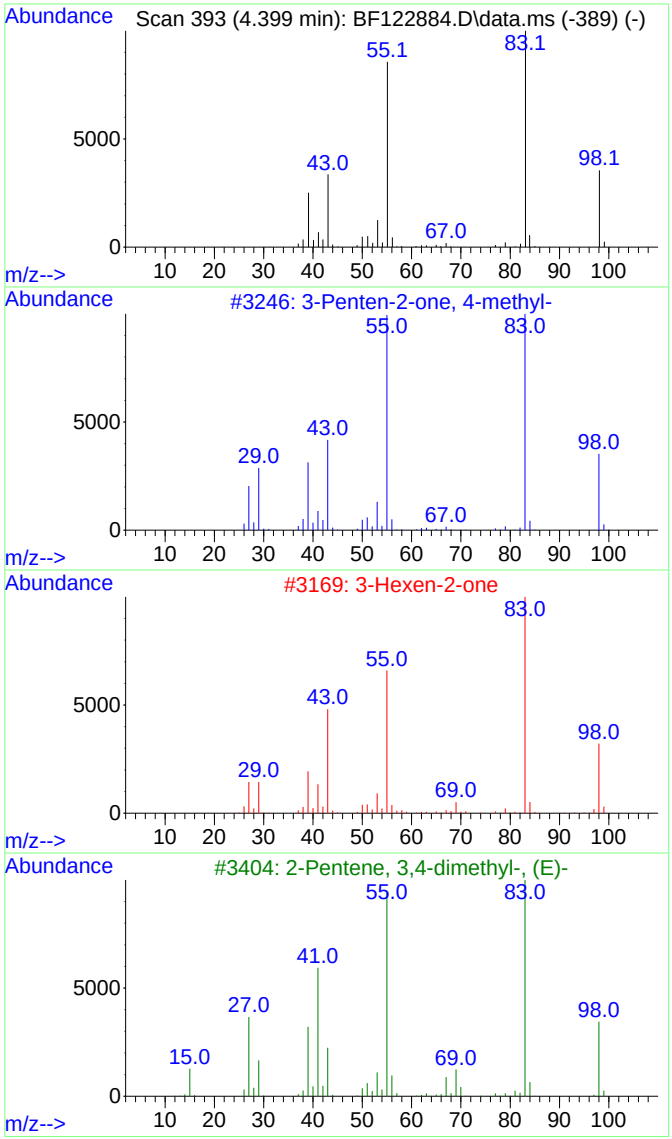
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

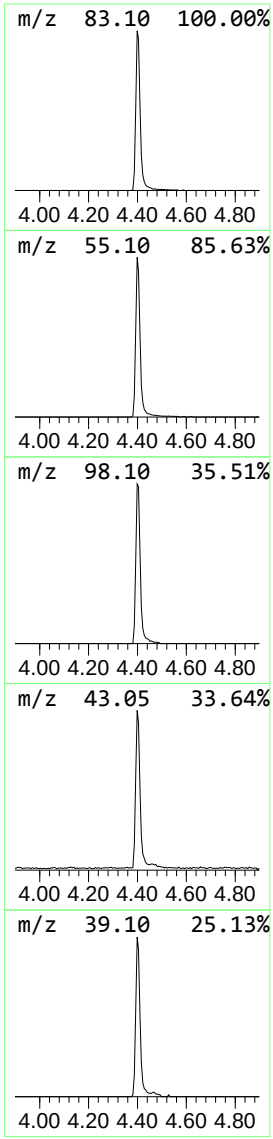
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.399	15.34 ng	487243	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

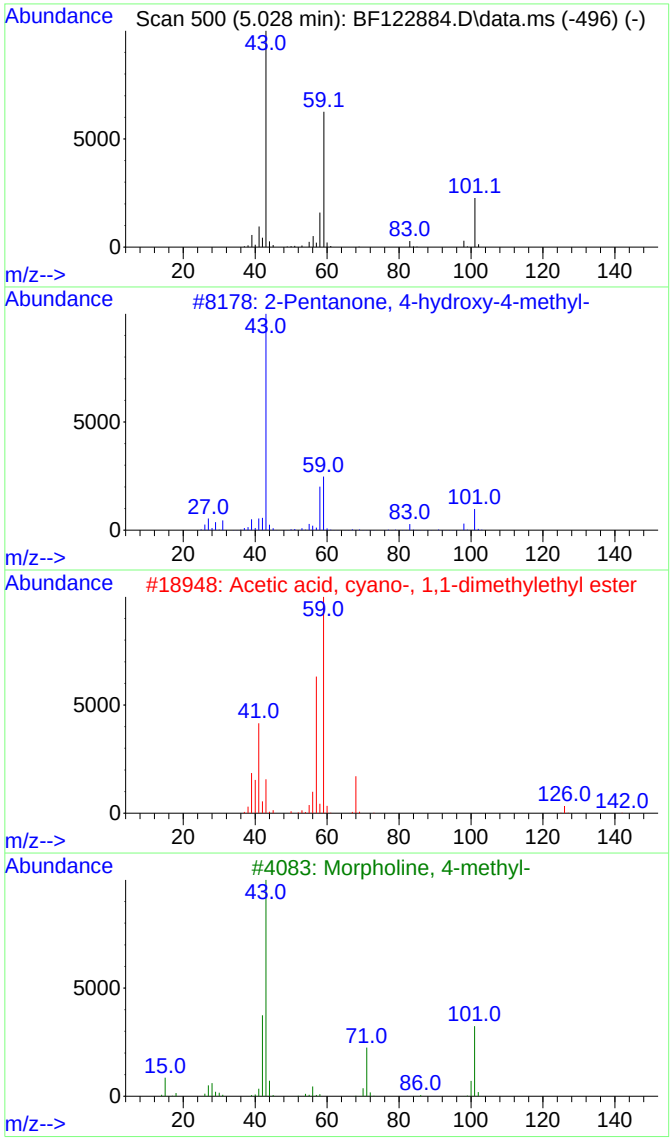
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

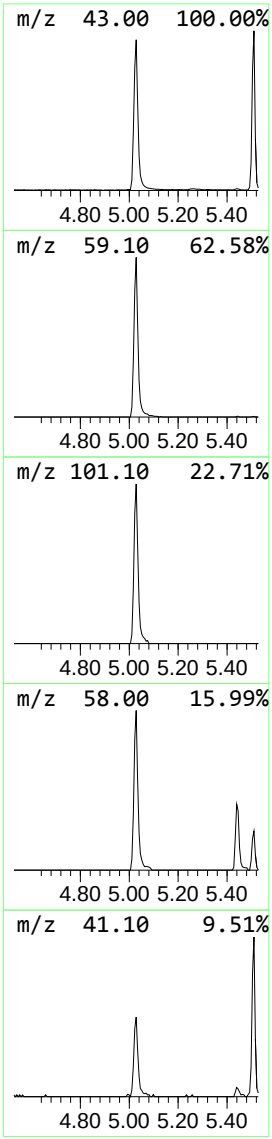
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.028	13.32 ng	423127	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

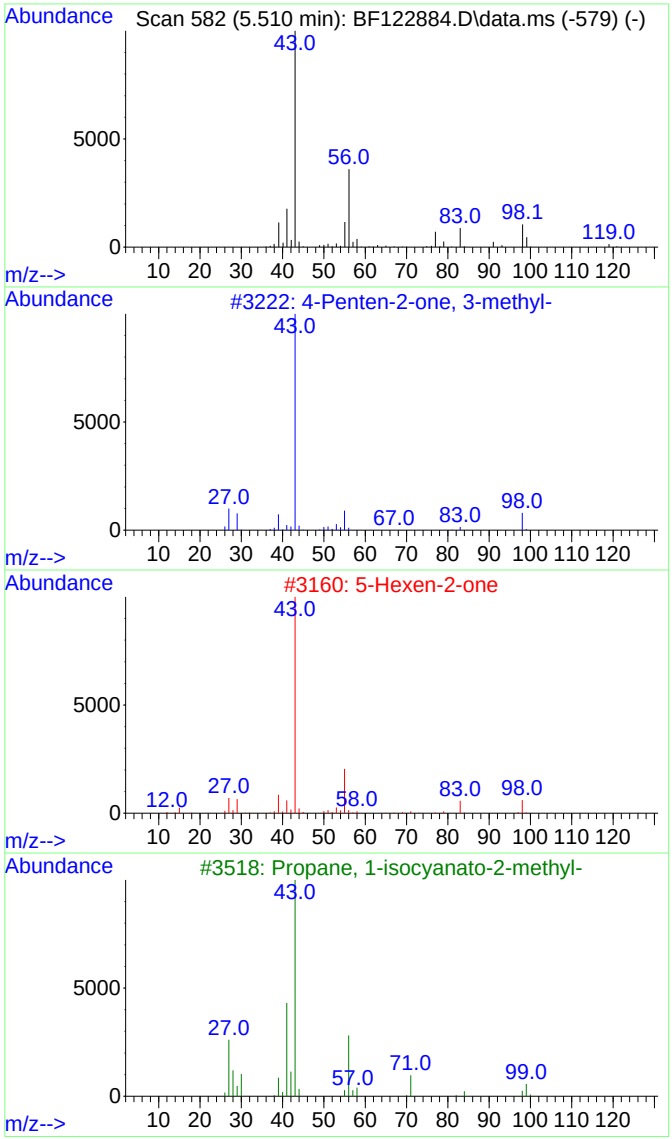
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

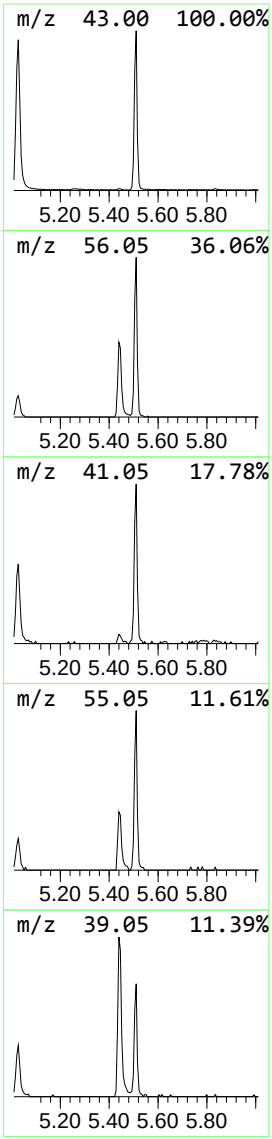
****

Peak Number 3 unknown5.510 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.510	9.70 ng	308128	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	35
2	5-Hexen-2-one	98	C6H10O	000109-49-9	25
3	Propane, 1-isocyanato-2-methyl-	99	C5H9NO	001873-29-6	9
4	4-Hexen-2-one	98	C6H10O	025659-22-7	9
5	Isobutane	58	C4H10	000075-28-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

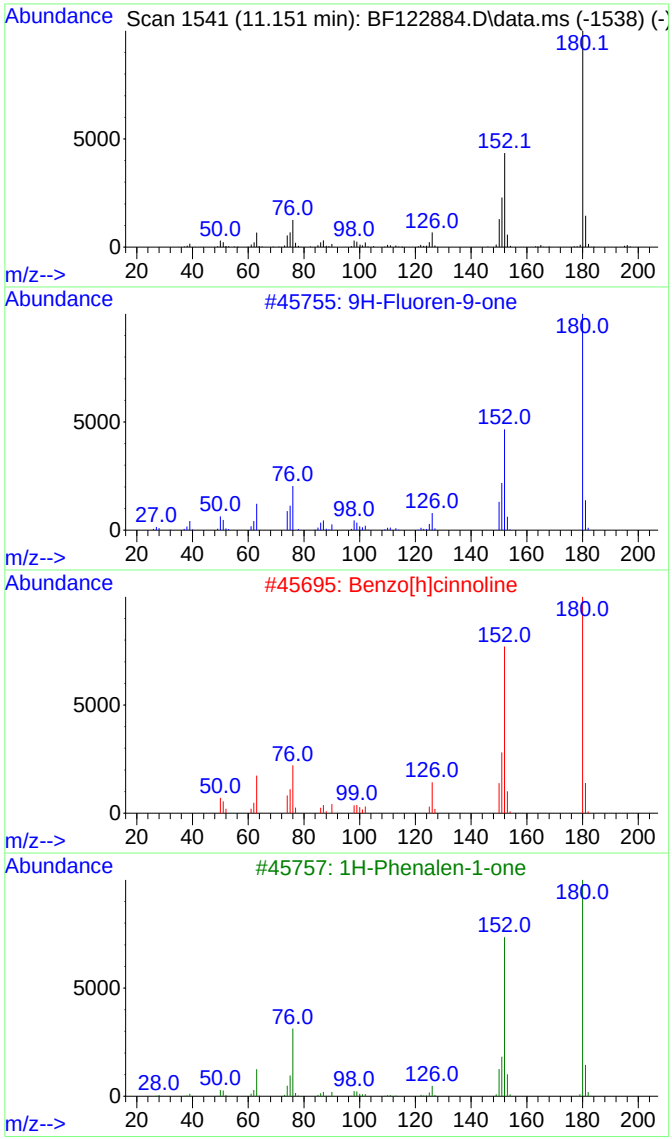
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

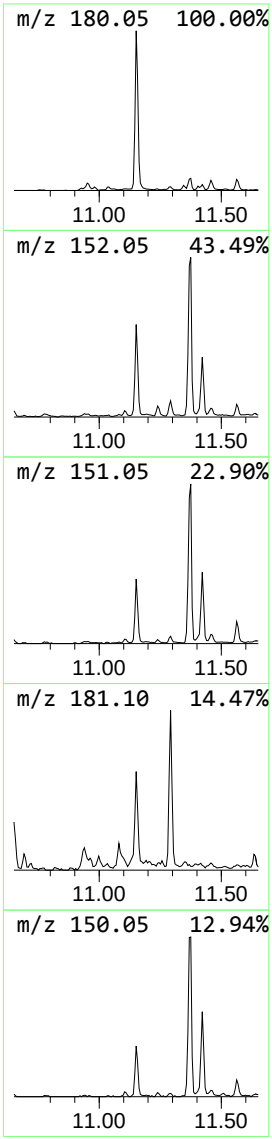
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.151	7.14 ng	310725	Phenanthrene-d10	11.345

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	58
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	Phenazine	180	C12H8N2	000092-82-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

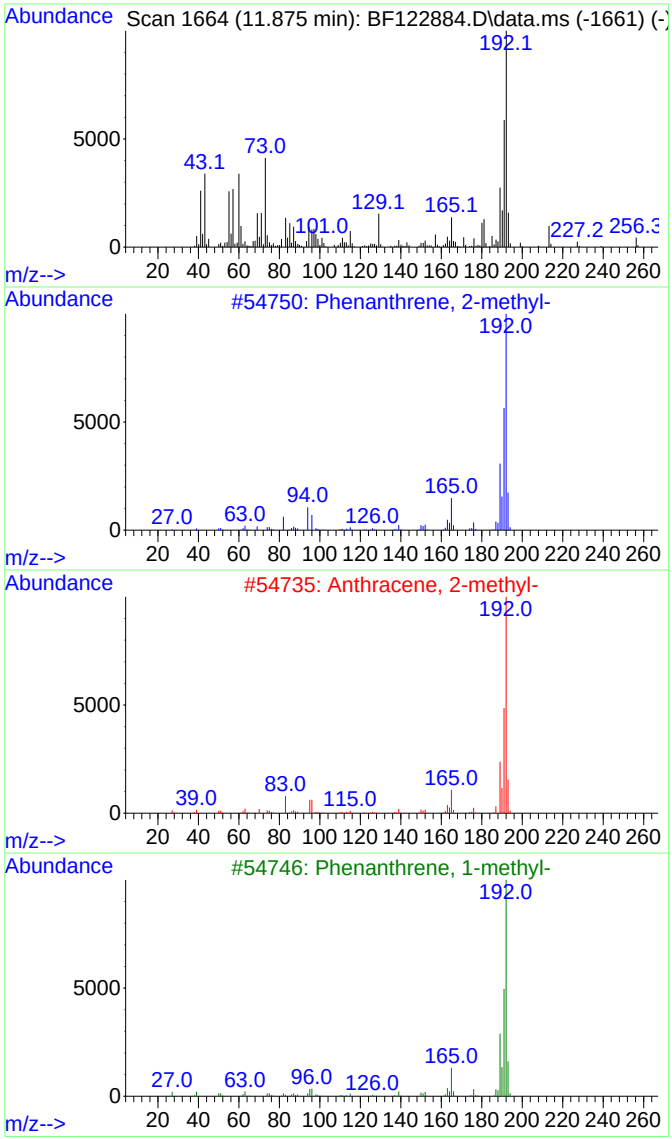
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

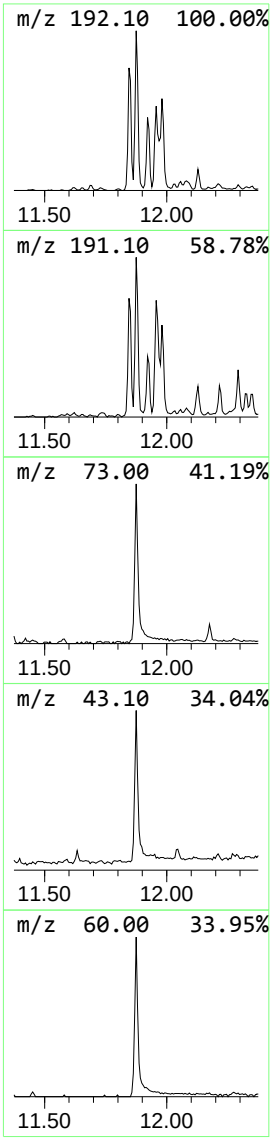
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	12.84 ng	558835	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

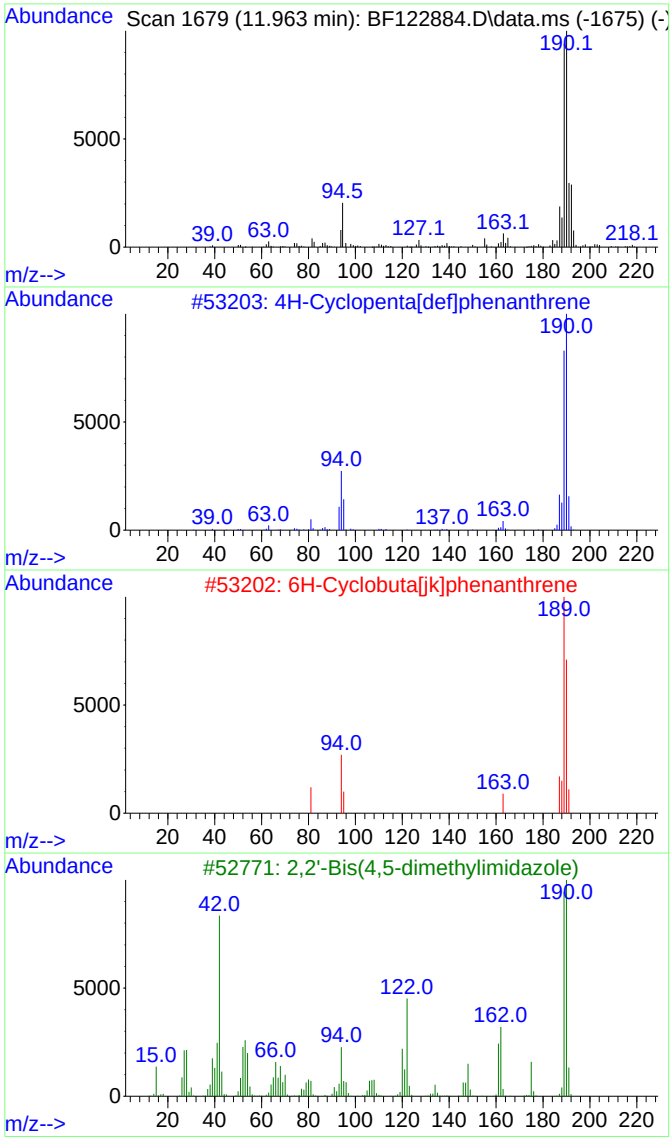
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

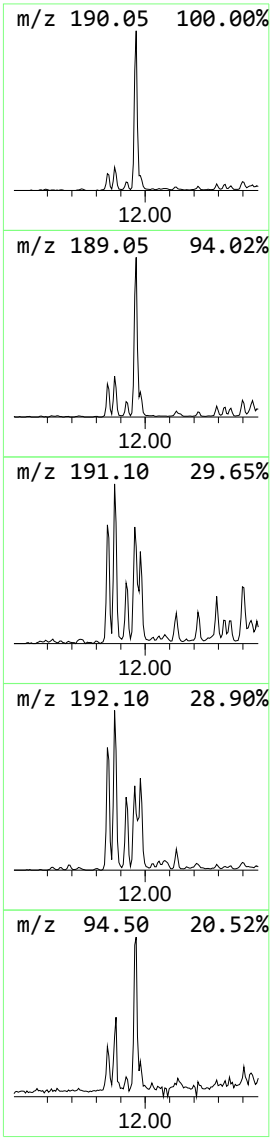
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	11.54 ng	502068	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	36
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





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Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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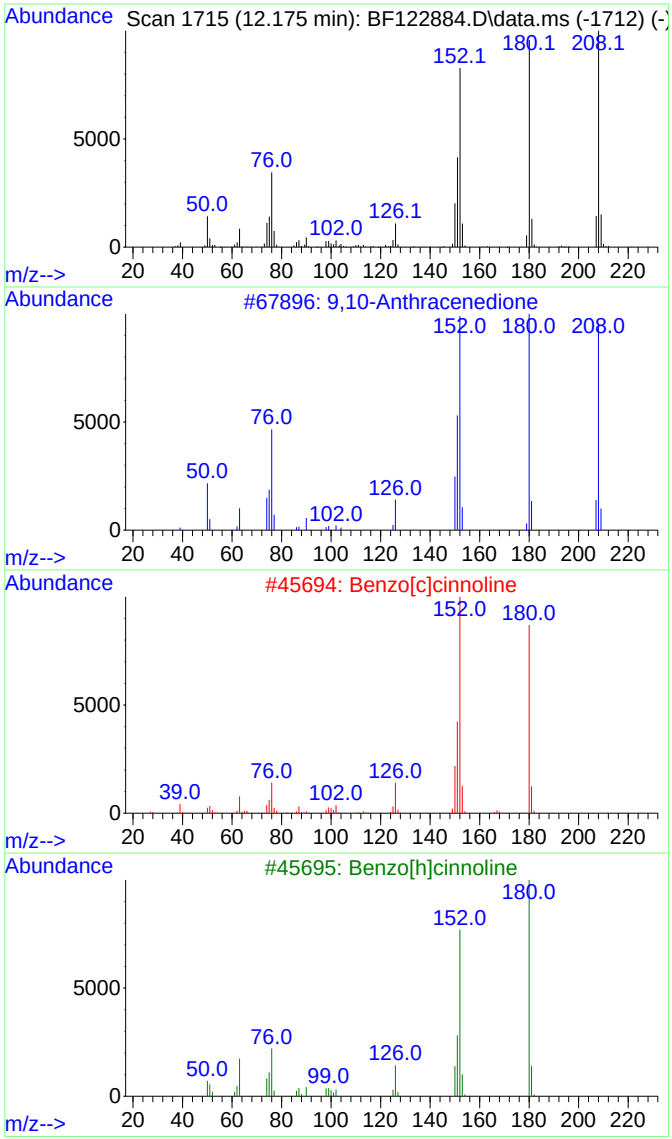
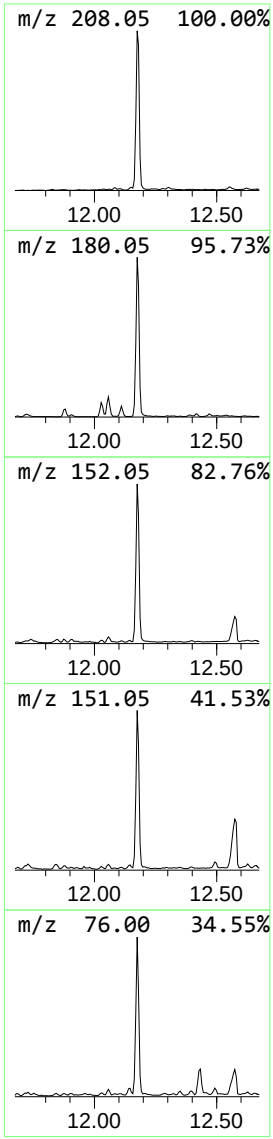
Peak Number 7 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	26.96 ng	1172950	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53





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Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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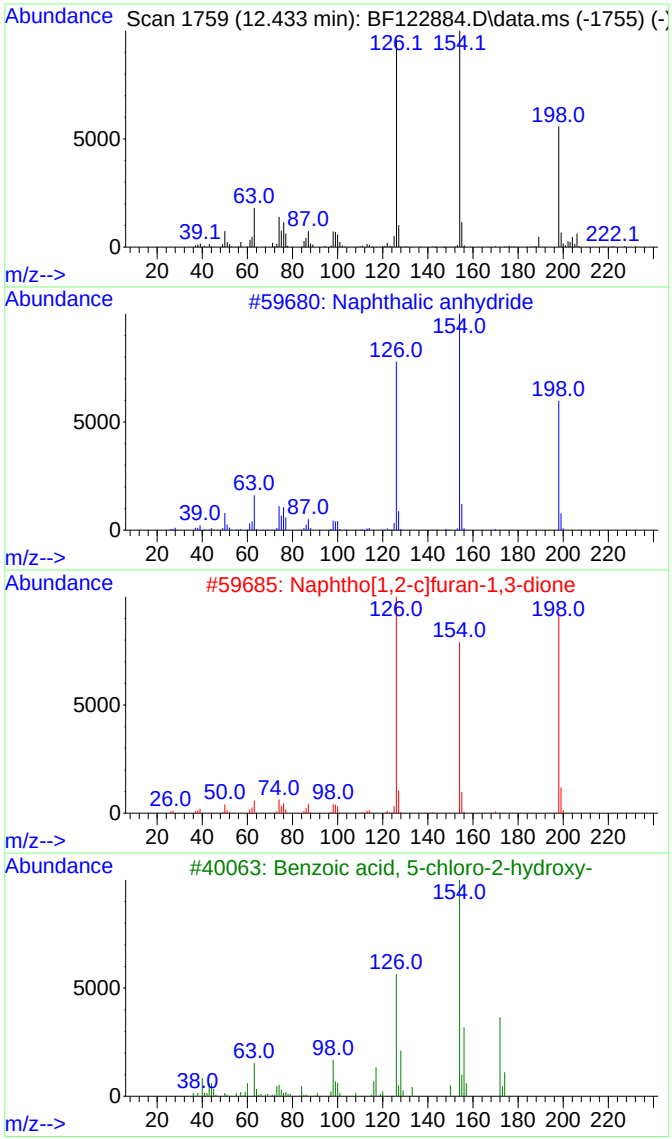
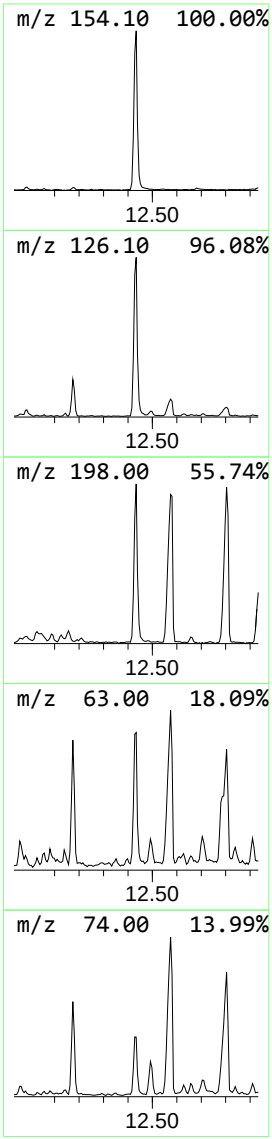
Peak Number 8 Naphthalic anhydride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	11.92 ng	518670	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	78
3	Benzoic acid, 5-chloro-2-hydroxy-	172	C7H5ClO3	000321-14-2	53
4	1H-Benz[f]indene-1,3(2H)-dione, ...	228	C13H8O4	038627-57-5	49
5	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	47





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Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

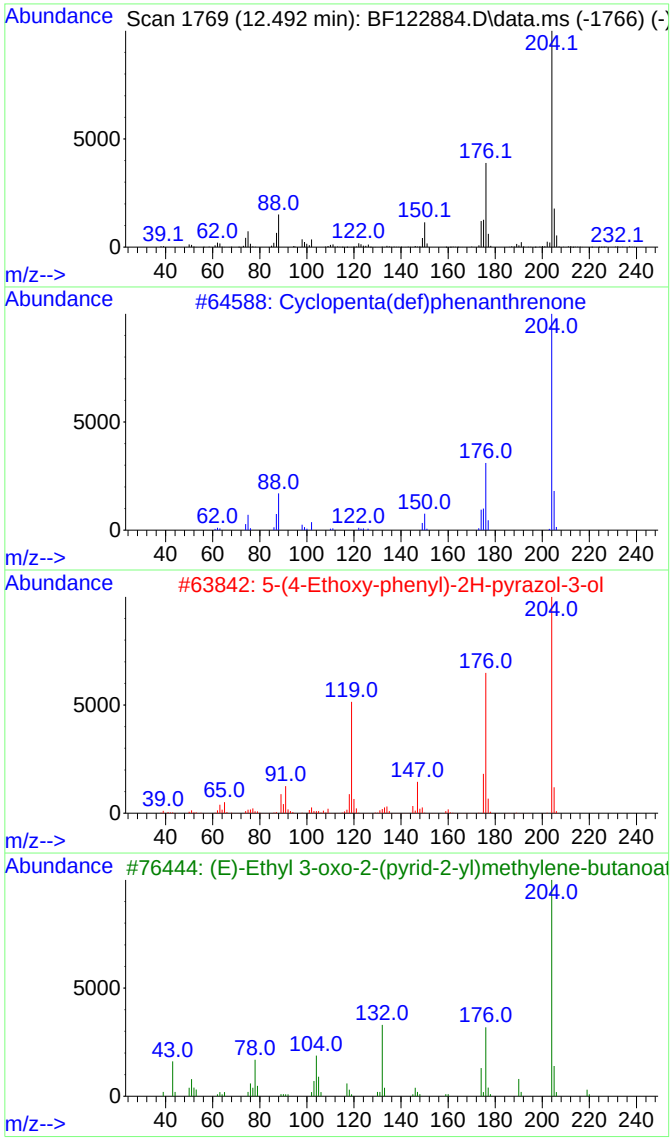
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

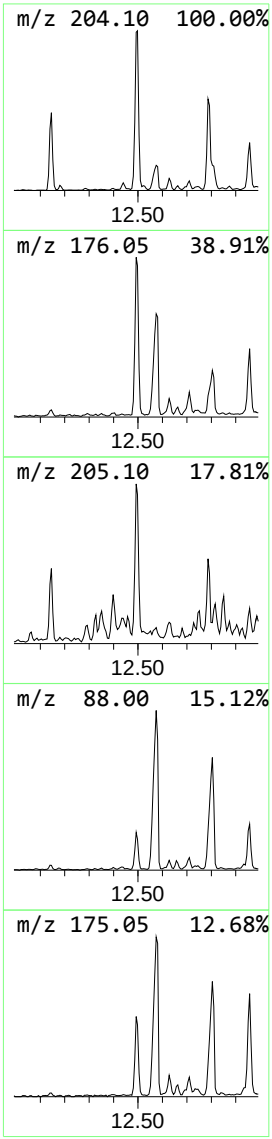
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	14.64 ng	637067	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

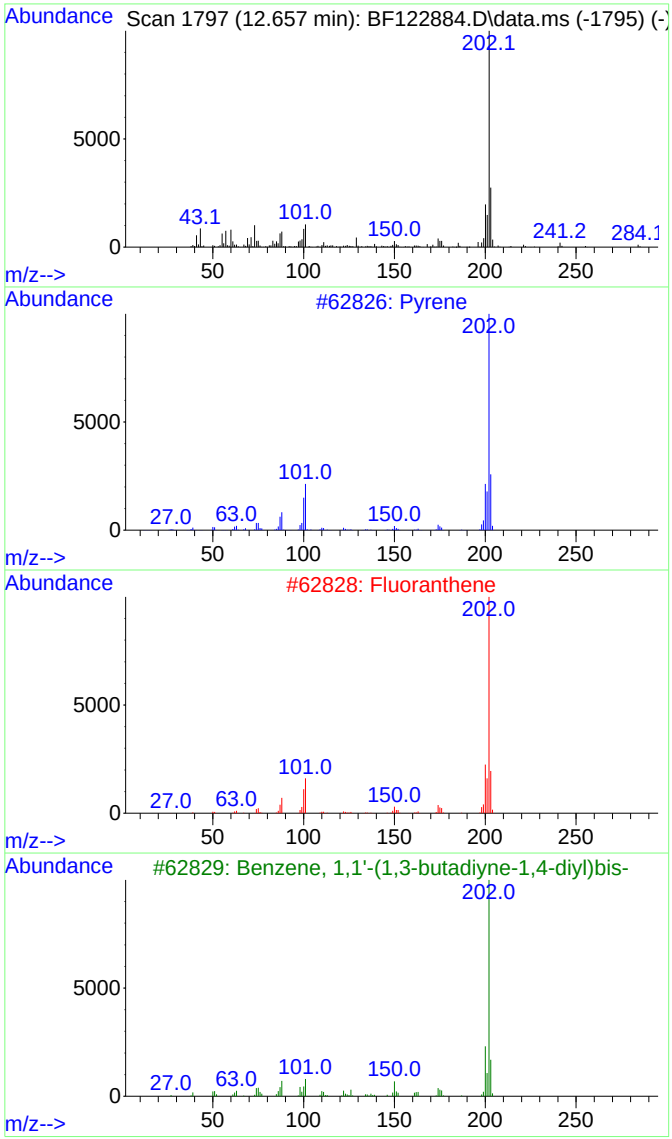
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

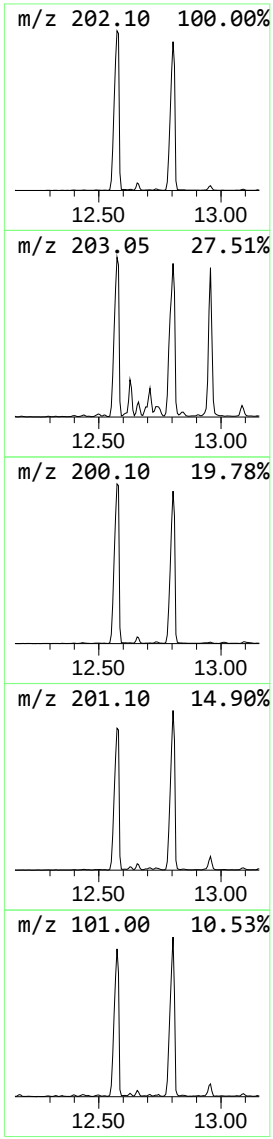
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	7.01 ng	305135	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	89
2	Fluoranthene	202	C16H10	000206-44-0	70
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	62
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	46
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	45





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Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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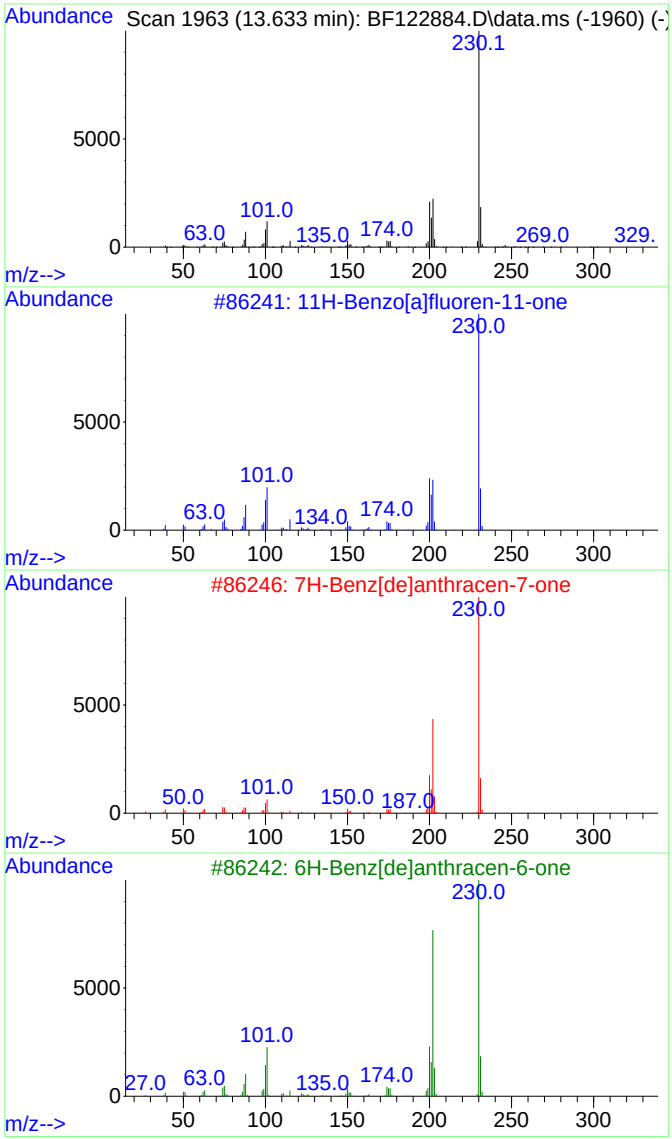
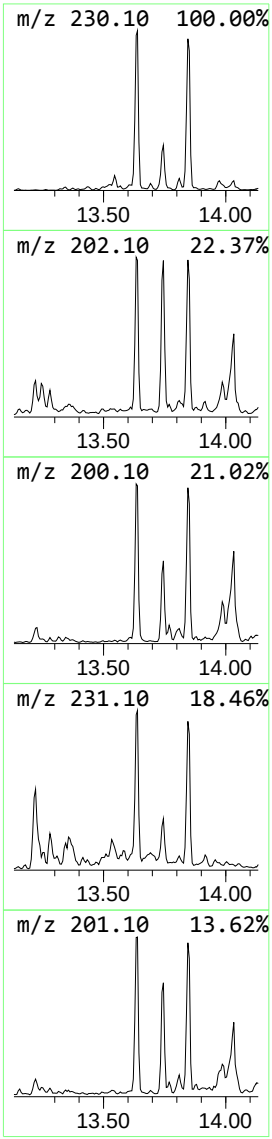
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.633	8.19 ng	1465550	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





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Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

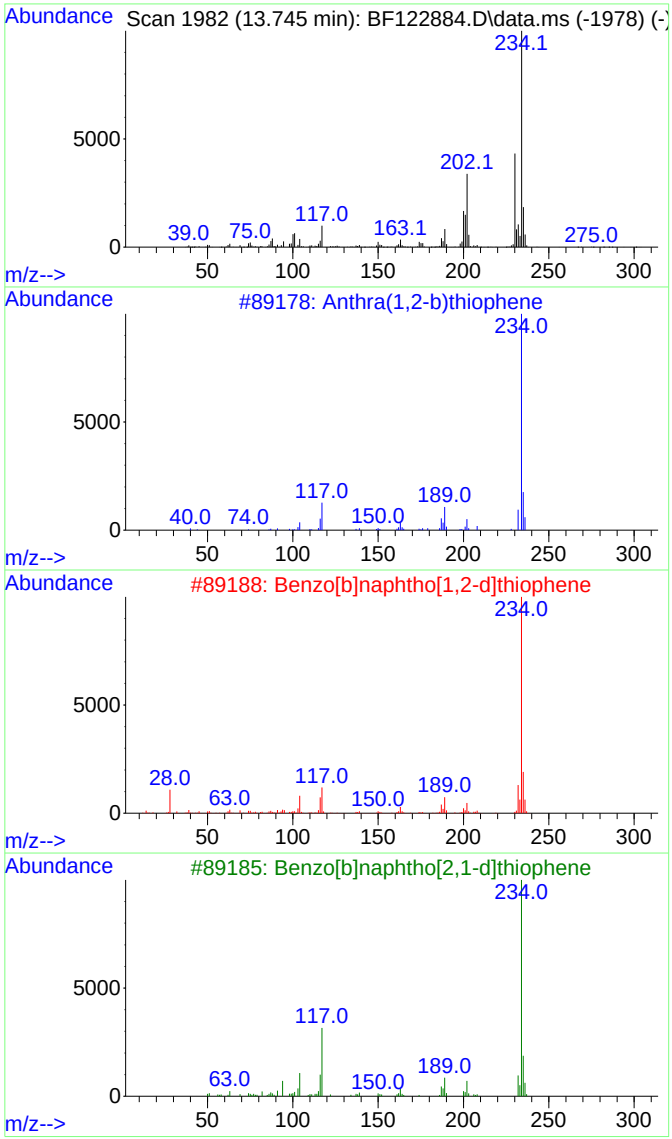
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

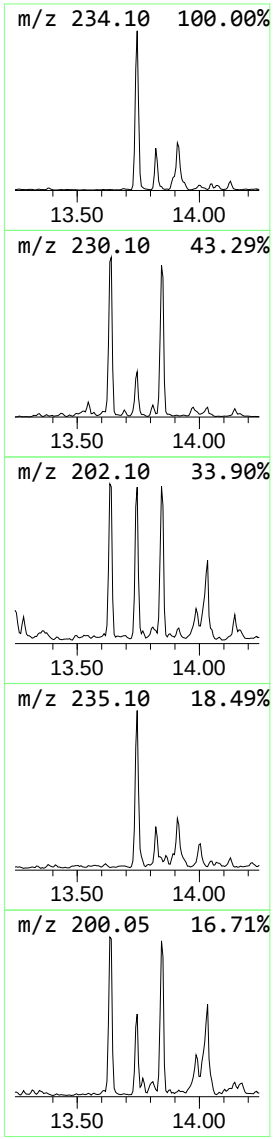
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Anthra(1,2-b)thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	7.35 ng	1315340	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	78
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	60
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	53
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	38





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Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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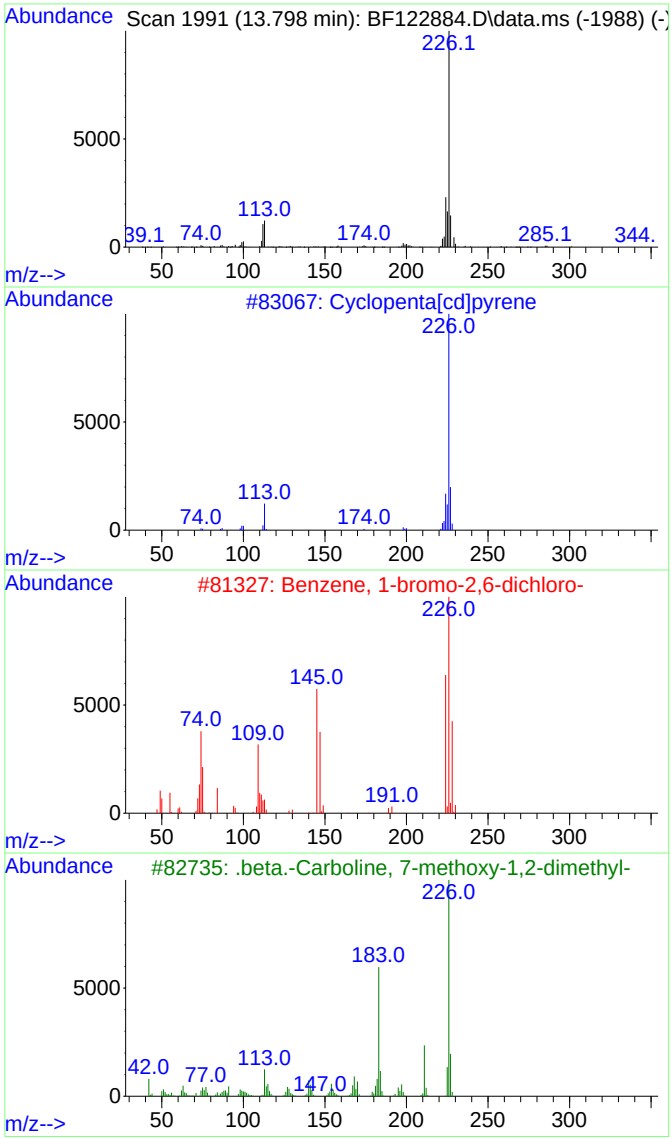
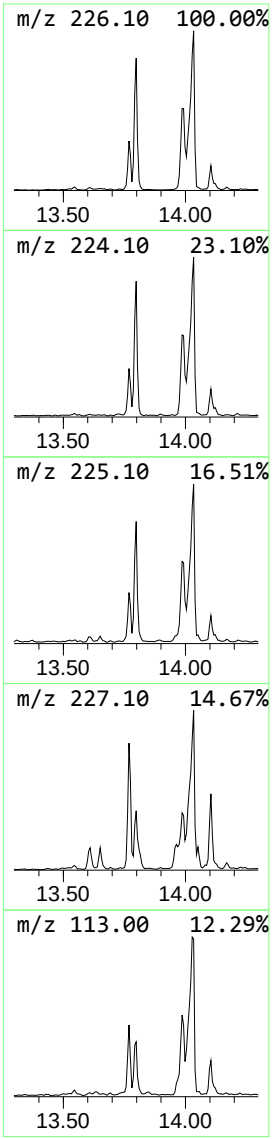
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	7.52 ng	1345230	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	50
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42





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Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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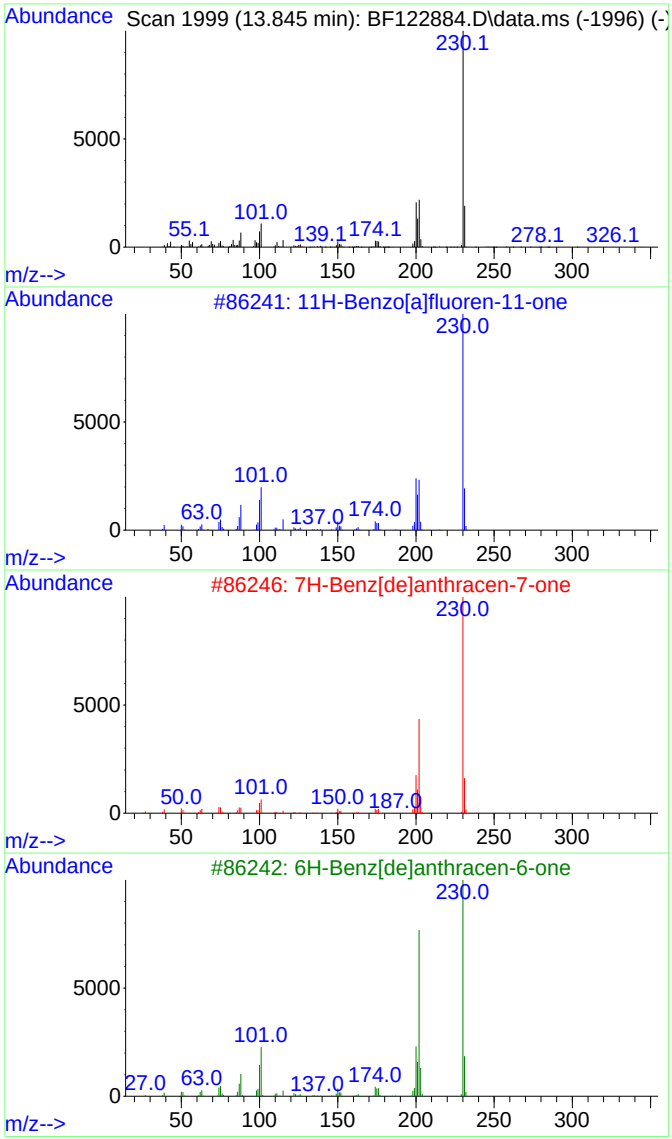
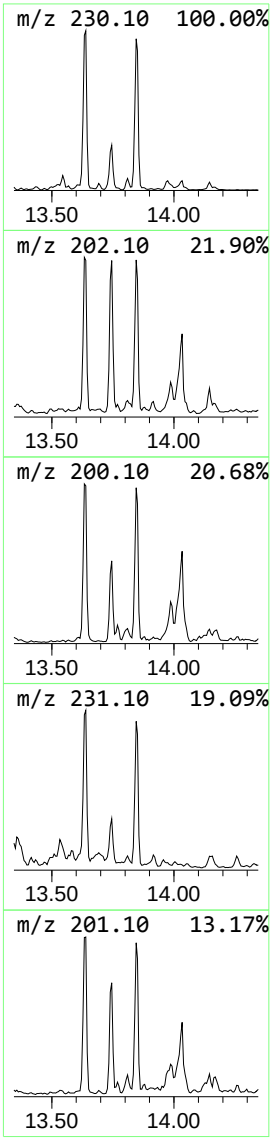
Peak Number 14 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	9.03 ng	1615760	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	o-Terphenyl	230	C18H14	000084-15-1	59
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59





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Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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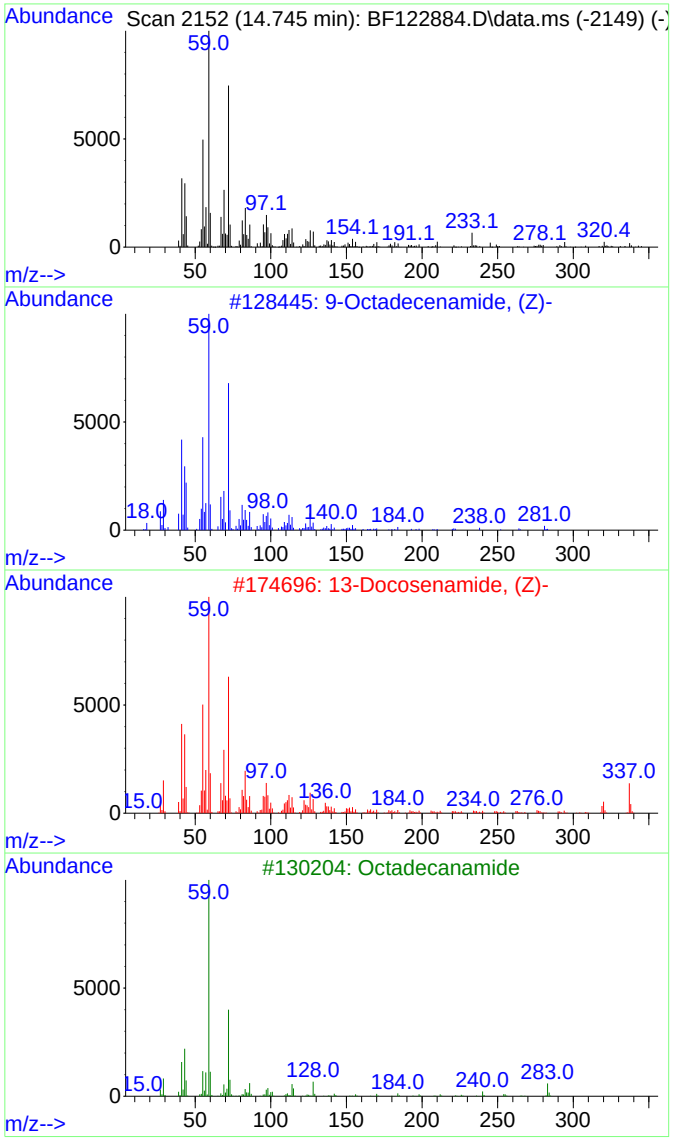
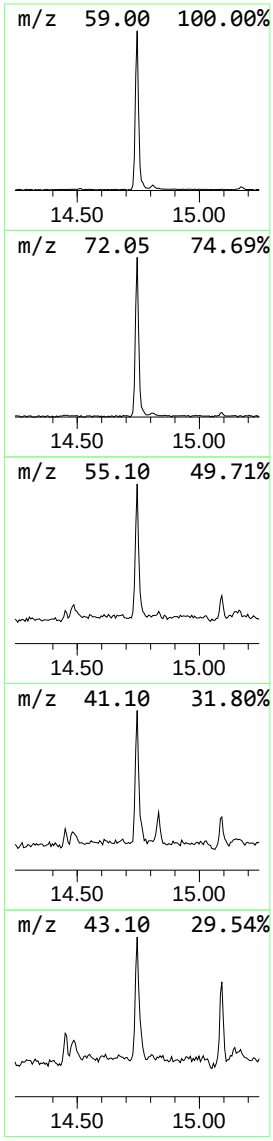
Peak Number 15 9-Octadecenamide, (Z)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.745	9.26 ng	514199	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	90
3	Octadecanamide	283	C18H37NO	000124-26-5	53
4	Hexadecanamide	255	C16H33NO	000629-54-9	53
5	Tetradecanamide	227	C14H29NO	000638-58-4	50





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Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

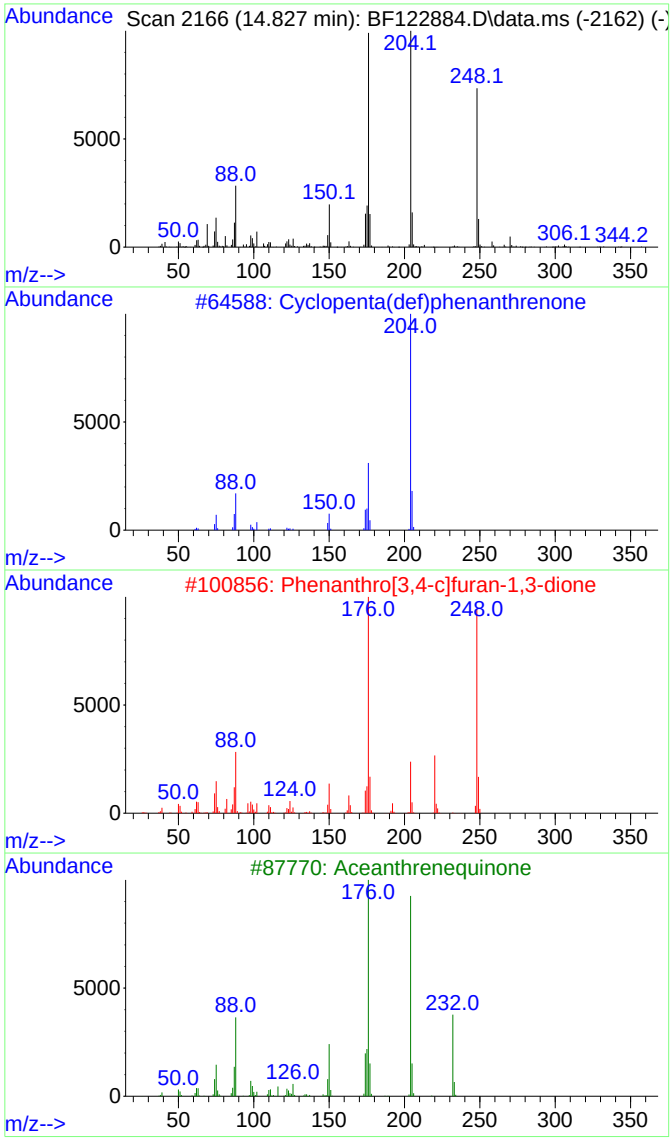
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

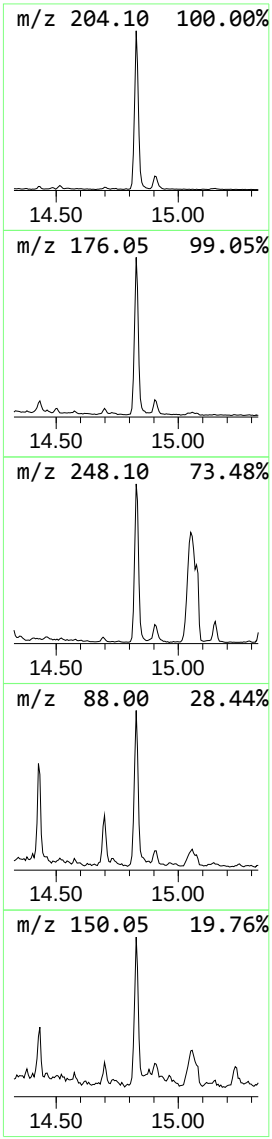
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.827	13.85 ng	769297	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	62
3	Aceanthrenequinone	232	C16H8O2	006373-11-1	53
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	46
5	6-Methoxy-8-nitro-2-quinoline ca...	248	C11H8N2O5	133378-40-2	43





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Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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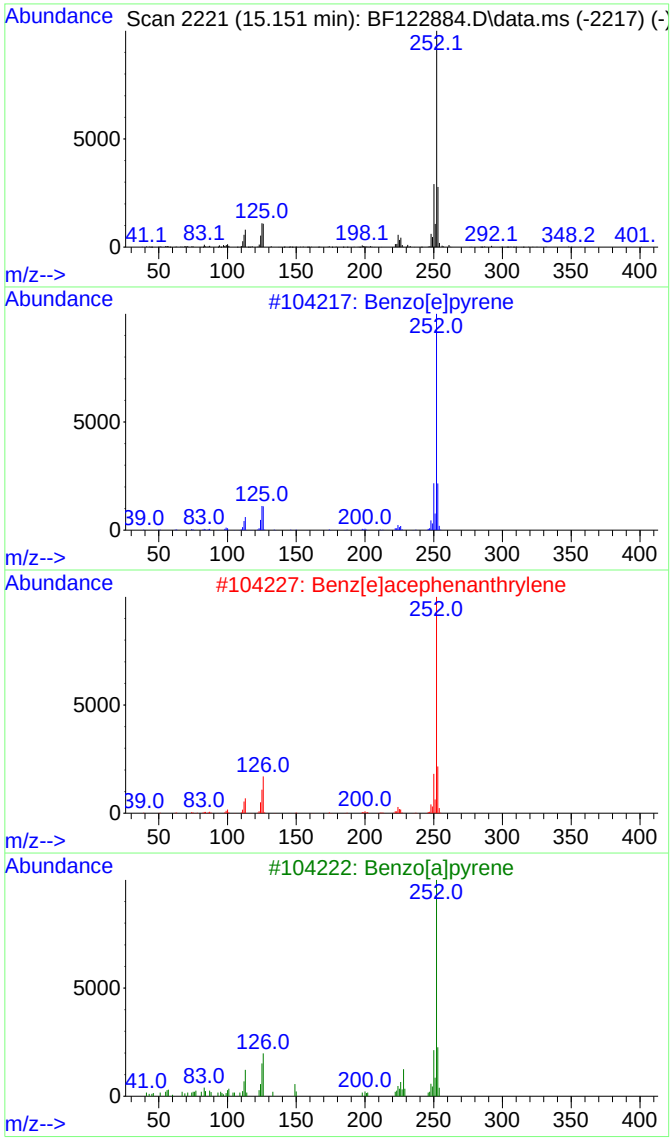
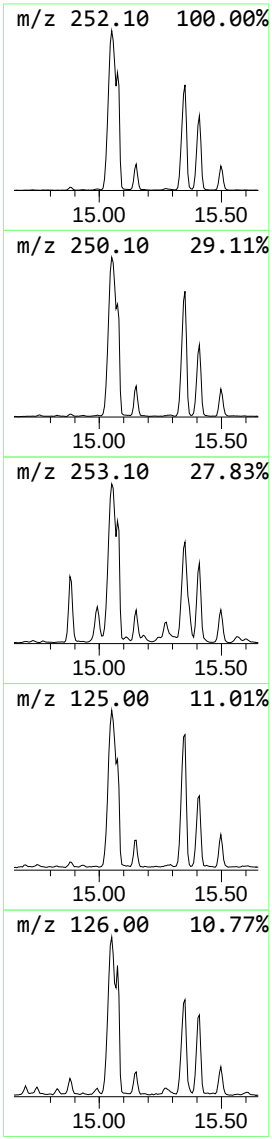
Peak Number 17 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.151	8.55 ng	474716	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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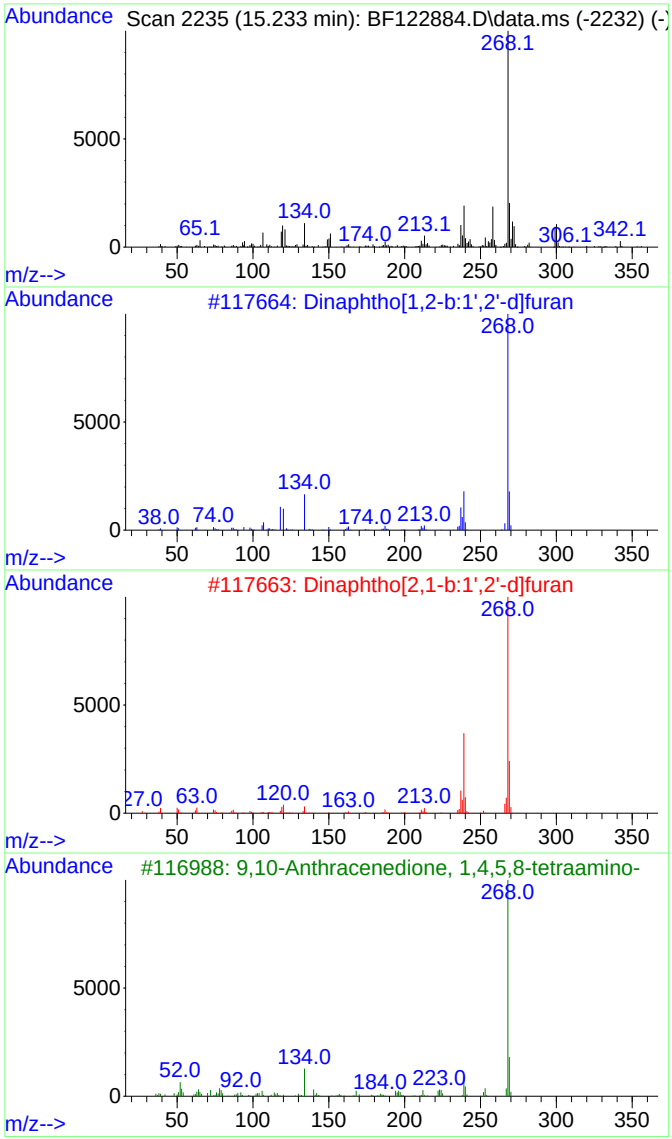
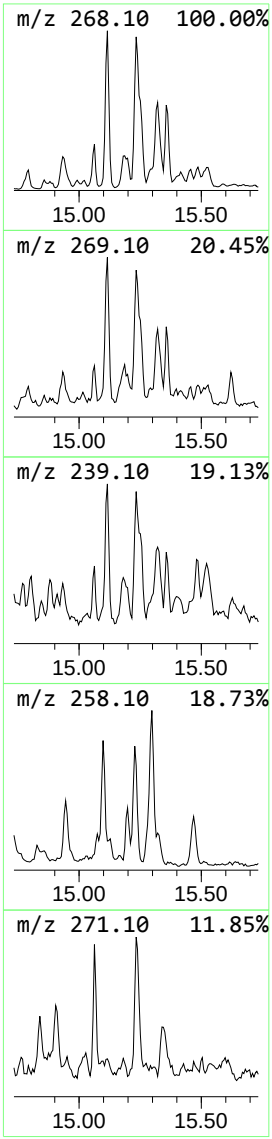
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	8.01 ng	445167	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	70
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	49
4	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	47
5	Estra-1,3,5(10)-trien-17-one, 3-...	300	C19H24O3	074299-17-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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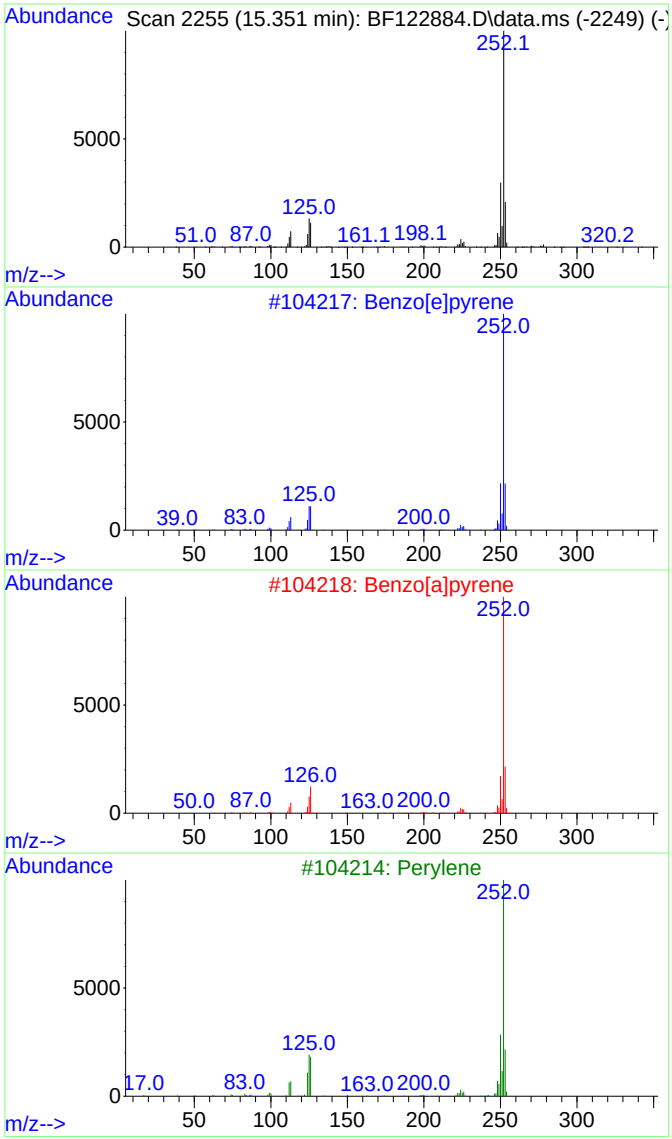
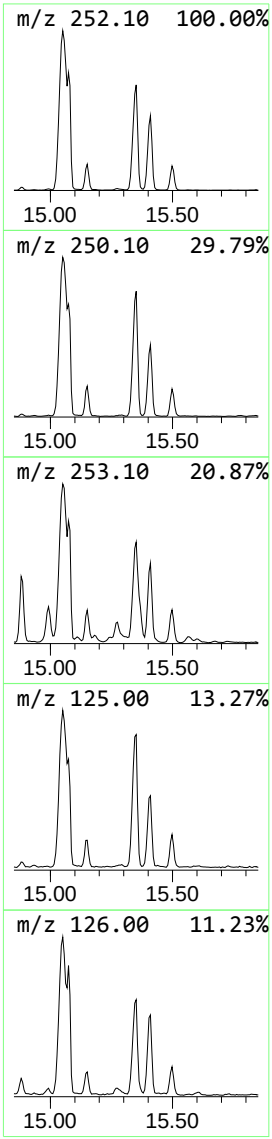
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	51.84 ng	2879360	Perylene-d12	15.468

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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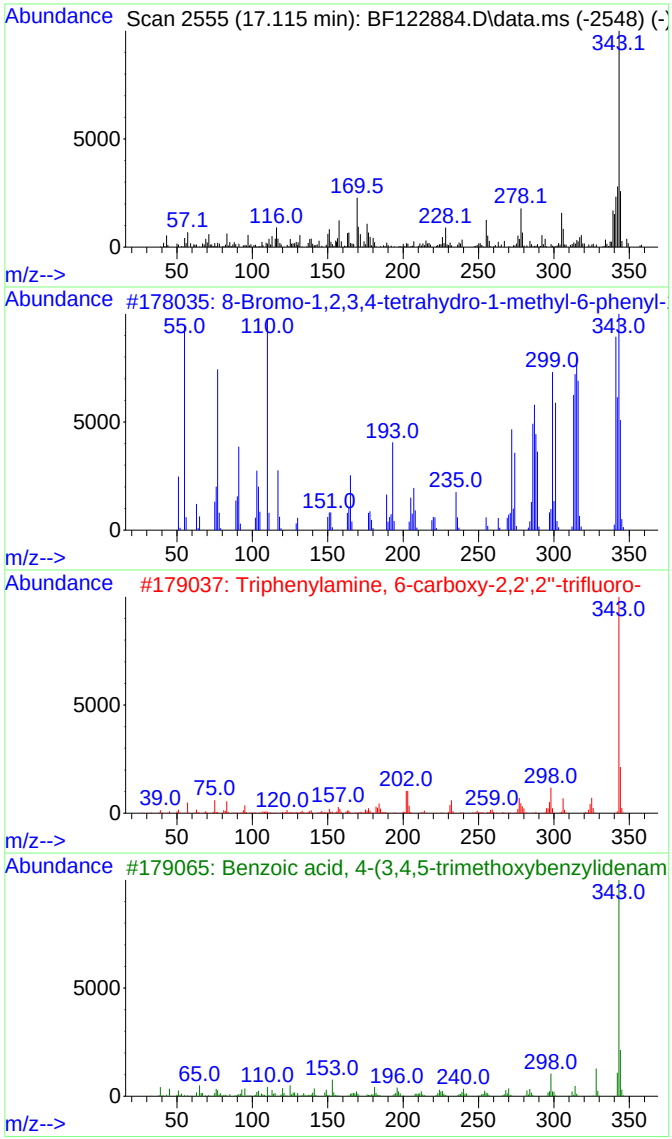
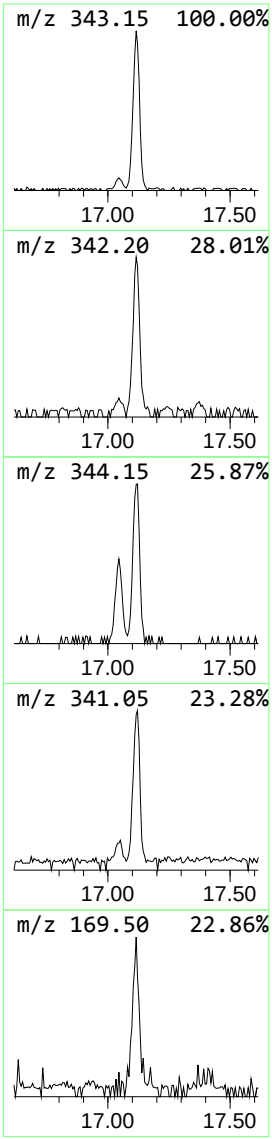
Peak Number 20 8-Bromo-1,2,3,4-tetrahydro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.115	9.71 ng	539224	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	55
2	Triphenylamine, 6-carboxy-2,2',2...	343	C19H12F3NO2	1000164-86-9	35
3	Benzoic acid, 4-(3,4,5-trimethox...	343	C19H21NO5	304683-21-4	32
4	Silane, diethyldodecyloxy(3-meth...	372	C22H48O2Si	1000363-49-2	25
5	Silane, diethyldodecyloxy(2-ethy...	372	C22H48O2Si	1000363-43-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122884.D
Acq On : 30 Dec 2020 18:01
Operator : JU/CG
Sample : L5242-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-5(454+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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
3-Penten-2-one,...	4.399	15.3	ng	487243	1	6.822	635344	20.0
2-Pentanone, 4-...	5.028	13.3	ng	423127	1	6.822	635344	20.0
unknown5.510	5.510	9.7	ng	308128	1	6.822	635344	20.0
9H-Fluoren-9-one	11.151	7.1	ng	310725	4	11.345	870180	20.0
Phenanthrene, 2...	11.875	12.8	ng	558835	4	11.345	870180	20.0
4H-Cyclopenta[d...	11.963	11.5	ng	502068	4	11.345	870180	20.0
9,10-Anthracene...	12.175	27.0	ng	1172950	4	11.345	870180	20.0
Naphthalic anhy...	12.433	11.9	ng	518670	4	11.345	870180	20.0
Cyclopenta(def)...	12.492	14.6	ng	637067	4	11.345	870180	20.0
Benzene, 1,1'-(...	12.657	7.0	ng	305135	4	11.345	870180	20.0
11H-Benzo[a]flu...	13.633	8.2	ng	1465550	5	13.998	3578260	20.0
Anthra(1,2-b)th...	13.745	7.3	ng	1315340	5	13.998	3578260	20.0
Cyclopenta[cd]p...	13.798	7.5	ng	1345230	5	13.998	3578260	20.0
7H-Benz[de]anth...	13.845	9.0	ng	1615760	5	13.998	3578260	20.0
9-Octadecenamid...	14.745	9.3	ng	514199	6	15.468	1110870	20.0
Phenanthro[3,4-...	14.827	13.9	ng	769297	6	15.468	1110870	20.0
Benzo[e]pyrene	15.151	8.6	ng	474716	6	15.468	1110870	20.0
Dinaphtho[1,2-b...	15.233	8.0	ng	445167	6	15.468	1110870	20.0
Perylene	15.351	51.8	ng	2879360	6	15.468	1110870	20.0
8-Bromo-1,2,3,4...	17.115	9.7	ng	539224	6	15.468	1110870	20.0