LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-081022

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129755.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	538	541	559	rBV	1697390	1715120	26.35%	2.562%
2	6.487	710	714	728	rBV	1684155	1558554	23.95%	2.328%
3	6.828	769	772	776	rBV	747716	615602	9.46%	0.920%
4	7.392	864	868	878	rBV	1167761	998352	15.34%	1.491%
5	8.110	987	990	993	rBV	861950	718085	11.03%	1.073%
6	9.186	1169	1173	1176	rBV	2048886	1709239	26.26%	2.553%
7	9.522	1226	1230	1233	rBV	74207	79428	1.22%	0.119%
8	9.728	1262	1265	1270	rBV	136416	114787	1.76%	0.171%
9	9.869	1286	1289	1291	rVV	792634	654876	10.06%	0.978%
10	9.898	1291	1294	1297	rVB	333116	258417	3.97%	0.386%
11	10.069	1319	1323	1326	rVB2	128171	115855	1.78%	0.173%
12	10.275	1352	1358	1363	rBV5	44303	89677	1.38%	0.134%
13	10.416	1378	1382	1387	rVB	327597	291600	4.48%	0.436%
14	10.569	1406	1408	1412	rVB	110382	99739	1.53%	0.149%
15	10.663	1417	1424	1427	rBV2	1148781	1100999	16.92%	1.645%
16	10.769	1438	1442	1444	rBV3	39265	68139	1.05%	0.102%
17	10.963	1469	1475	1478	rBV3	124115	150558	2.31%	0.225%
18	11.092	1492	1497	1499	rBV3	83499	119130	1.83%	0.178%
19	11.116	1499	1501	1506	rVV2	86813	106243	1.63%	0.159%
20	11.163	1506	1509	1513	rVV	126135	134502	2.07%	0.201%
21	11.204	1513	1516	1519	rVV	108773	126018	1.94%	0.188%
22	11.257	1522	1525	1531	rVB	184841	181261	2.79%	0.271%
23	11.357	1539	1542	1544	rBV	754706	719119	11.05%	1.074%
24	11.386	1544	1547	1550	rVV	3851559	3218026	49.45%	4.807%
25	11.433	1552	1555	1558	rVV	1088033	914550	14.05%	1.366%
26	11.469	1558	1561	1566	rVB2	56815	84233	1.29%	0.126%
27	11.592	1577	1582	1587	rBV3	193665	275552	4.23%	0.412%
28	11.651	1590	1592	1596	rVV2	110000	102145	1.57%	0.153%
29	11.692	1596	1599	1603	rVV3	86082	109211	1.68%	0.163%
30	11.733	1603	1606	1610	rVV3	80430	90414	1.39%	0.135%
31	11.857	1624	1627	1630	rBV	459613	468854	7.20%	0.700%
32	11.886	1630	1632	1636	rVB	637627	603808	9.28%	0.902%
33	11.939	1636	1641	1643	rBV	250772	236699	3.64%	0.354%
34	11.974	1643	1647	1649	rVV	902199	884000	13.58%	1.321%
35	11.992	1649	1650	1655	rVB	312831	260502	4.00%	0.389%
36	12.039	1655	1658	1661	rBV3	74656	74497	1.14%	0.111%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.157	1674	1678	1680	rBV	383051	335040	5.15%	0.500%
38	12.192	1680	1684	1687	rVB	344486	311032	4.78%	0.465%
39	12.304	1698	1703	1706	rBV2	116893	135866	2.09%	0.203%
40	12.333	1706	1708	1711	rVV	106863	89079	1.37%	0.133%
41	12.363	1711	1713	1717	rVB	104991	79498	1.22%	0.119%
42	12.410	1717	1721	1724	rBV	276811	317758	4.88%	0.475%
43	12.445	1724	1727	1730	rVV2	192743	250466	3.85%	0.374%
44	12.510	1734	1738	1741	rBV2	301364	352747	5.42%	0.527%
45	12.586	1746	1751	1754	rBV	5923119	6508205	100.00%	9.722%
46	12.639	1758	1760	1763	rVB	132934	113752	1.75%	0.170%
47	12.674	1763	1766	1768	rBV	98175	79569	1.22%	0.119%
48	12.727	1771	1775	1778	rVV2	253928	299318	4.60%	0.447%
49	12.757	1778	1780	1783	rVB2	81670	77287	1.19%	0.115%
50	12.816	1783	1790	1793	rBV2	4944616	6425421	98.73%	9.598%
51	12.857	1794	1797	1801	rVB2	280703	296032	4.55%	0.442%
52	12.945	1805	1812	1814	rBV2	2297259	2284457	35.10%	3.412%
53	12.969	1814	1816	1819	rVB	228677	201837	3.10%	0.302%
54	13.027	1820	1826	1830	rBV2	361354	640730	9.84%	0.957%
55	13.063	1830	1832	1837	rVB2	86577	88351	1.36%	0.132%
56	13.110	1837	1840	1842	rBV2	290707	387737	5.96%	0.579%
57	13.139	1842	1845	1847	rVB	828644	759588	11.67%	1.135%
58	13.204	1852	1856	1858	rBV	675306	556735	8.55%	0.832%
59	13.239	1858	1862	1865	rVV2	474366	584346	8.98%	0.873%
60	13.292	1869	1871	1875	rVB2	113277	103328	1.59%	0.154%
61	13.333	1875	1878	1881	rBV	254120	223052	3.43%	0.333%
62	13.363	1881	1883	1887	rBV3	249391	240155	3.69%	0.359%
63	13.427	1892	1894	1896	rVV2	73946	65651	1.01%	0.098%
64	13.451	1896	1898	1901	rVB	112572	92325	1.42%	0.138%
65	13.557	1914	1916	1919	rVB	138401	112085	1.72%	0.167%
66	13.621	1924	1927	1929	rBV	138677	143464	2.20%	0.214%
67	13.651	1929	1932	1935	rVV	540570	462096	7.10%	0.690%
68	13.757	1947	1950	1952	rBV	670624	589550	9.06%	0.881%
69	13.786	1952	1955	1957	rVV	522830	482341	7.41%	0.721%
70	13.810	1957	1959	1965	rVV3	485958	766385	11.78%	1.145%
71	13.863	1965	1968	1974	rVV	621946	713066	10.96%	1.065%
72	13.927	1977	1979	1985	rVB	171346	185906	2.86%	0.278%
73	14.010	1985	1993	1996	rBV2	3218181	4902905	75.33%	7.324%
74	14.045	1996	1999	2002	rVV	3089233	2817498	43.29%	4.209%
75	14.098	2005	2008	2009	rBV3	146882	134761	2.07%	0.201%
76	14.121	2009	2012	2014	rVV	582134	497213	7.64%	0.743%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.163	2017	2019	2021	rVV2	219812	221837	3.41%	0.331%
78	14.210	2024	2027	2028	rVV	198266	193714	2.98%	0.289%
79	14.227	2028	2030	2031	rVV	216552	172180	2.65%	0.257%
80	14.245	2031	2033	2035	rVV	257866	205622	3.16%	0.307%
81	14.274	2035	2038	2040	rVB3	99756	100157	1.54%	0.150%
82	14.363	2050	2053	2055	rBV	233373	245528	3.77%	0.367%
83	14.398	2056	2059	2062	rVB	485563	416377	6.40%	0.622%
84	14.433	2062	2065	2066	rBV2	178650	152828	2.35%	0.228%
85	14.498	2074	2076	2078	rBV	153851	136441	2.10%	0.204%
86	14.521	2078	2080	2082	rVV	261124	239604	3.68%	0.358%
87	14.545	2082	2084	2087	rVB	280625	229698	3.53%	0.343%
88	14.715	2110	2113	2116	rBV2	221965	253977	3.90%	0.379%
89	14.898	2140	2144	2147	rBV2	260747	312814	4.81%	0.467%
90	15.063	2167	2172	2175	rBV	1990917	3335783	51.26%	4.983%
91	15.168	2186	2190	2193	rBV	482729	508836	7.82%	0.760%
92	15.362	2219	2223	2229	rVB	1059725	1382379	21.24%	2.065%
93	15.433	2230	2235	2238	rVV	1668844	2025308	31.12%	3.025%
94	15.486	2241	2244	2247	rVV	407101	549714	8.45%	0.821%
95	15.521	2247	2250	2256	rVB	494775	625426	9.61%	0.934%
96	16.586	2428	2431	2436	rVB2	170908	248933	3.82%	0.372%
97	16.980	2491	2498	2505	rVB	741170	1458814	22.41%	2.179%
98	17.433	2569	2575	2588	rVB	525030	1173407	18.03%	1.753%

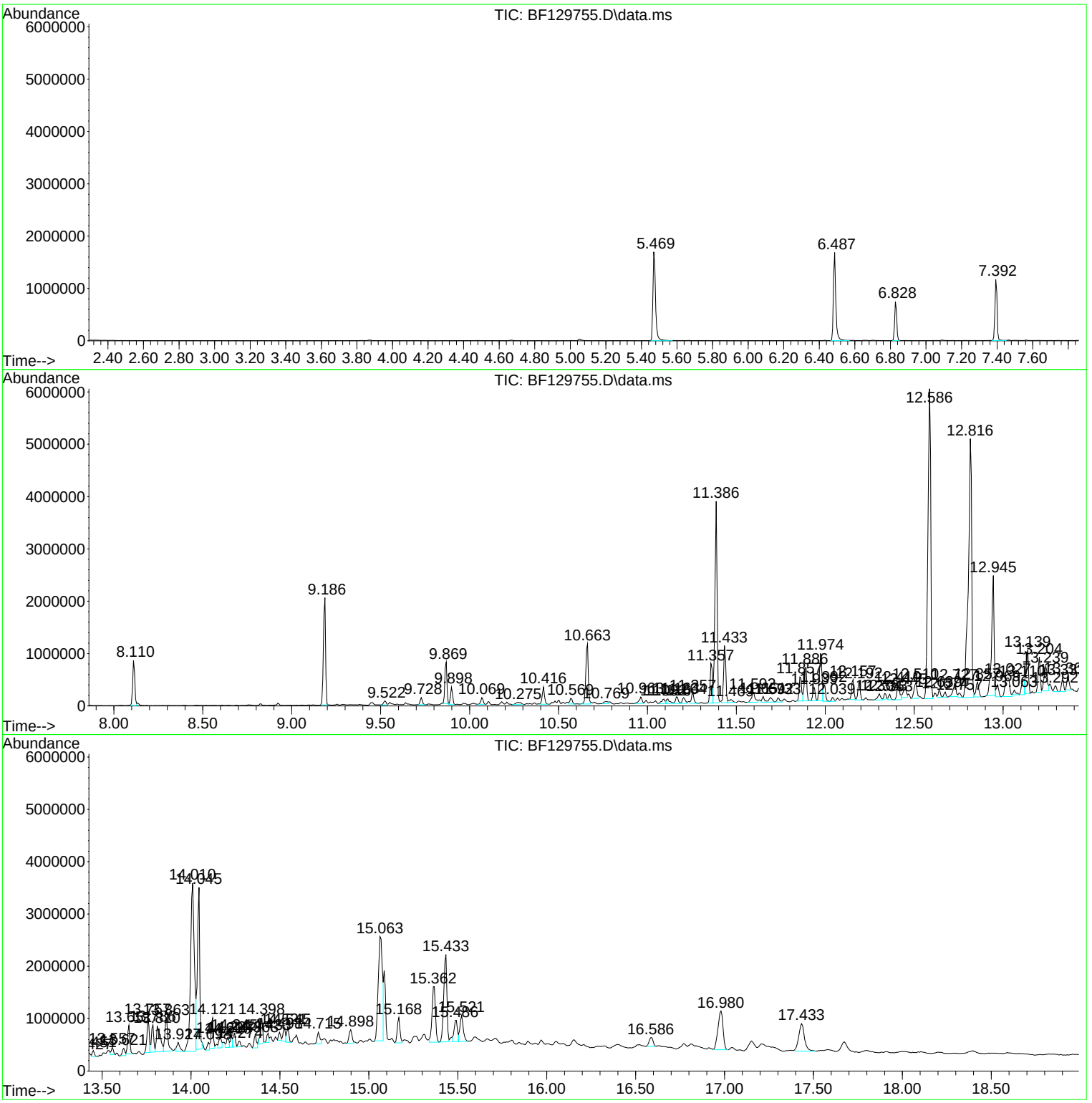
Sum of corrected areas: 66943800

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

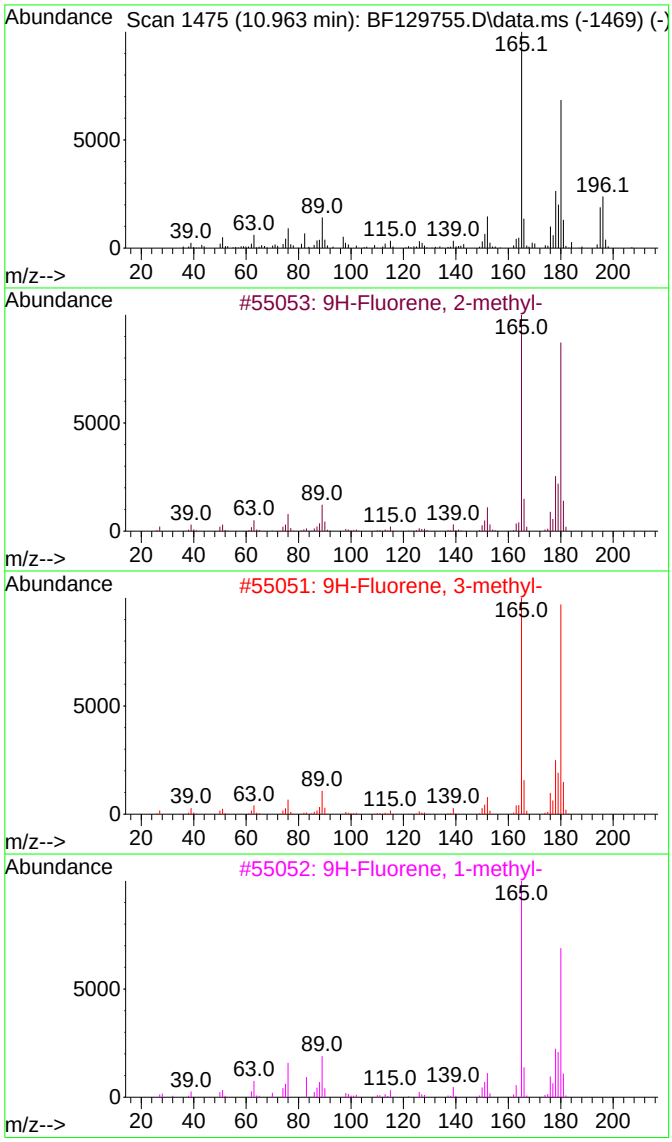
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

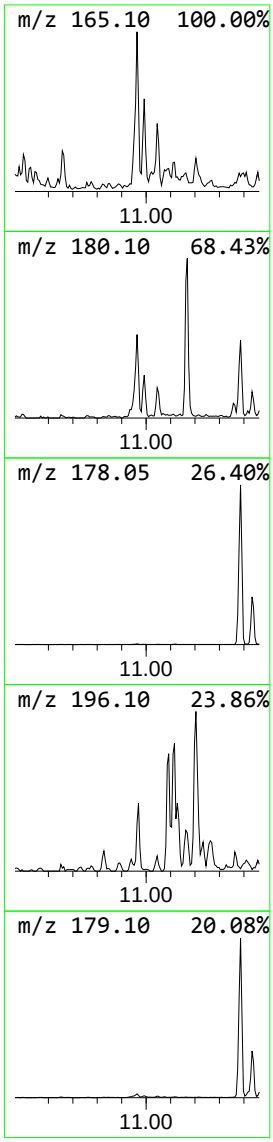
****

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	4.19 ng	150558	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

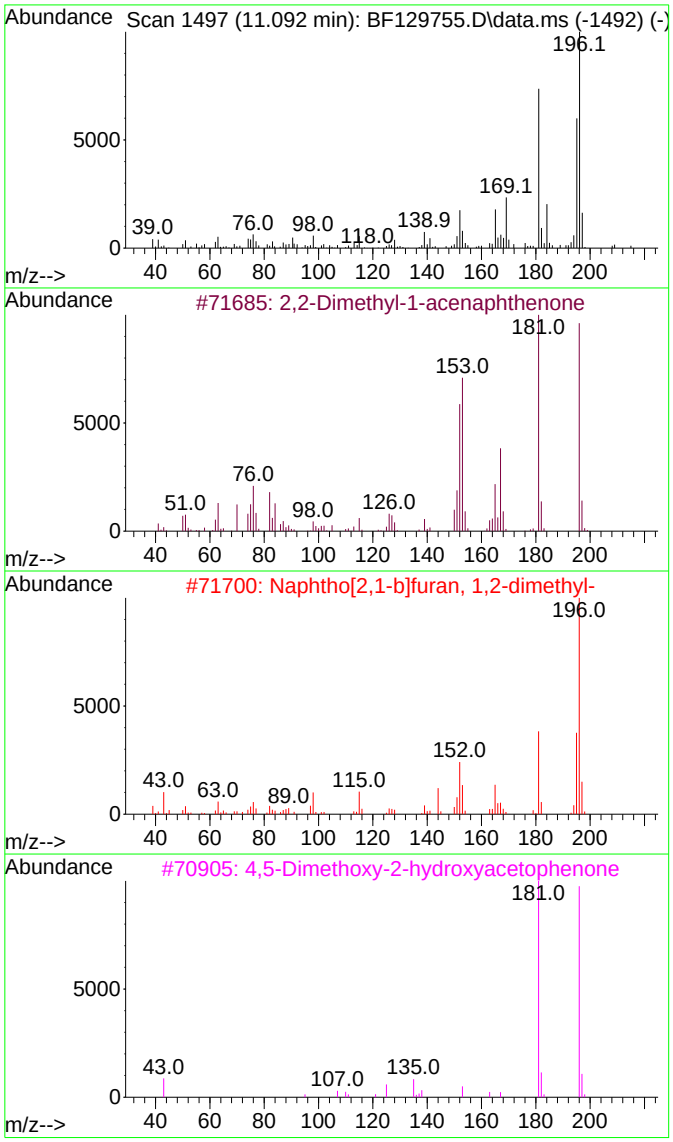
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

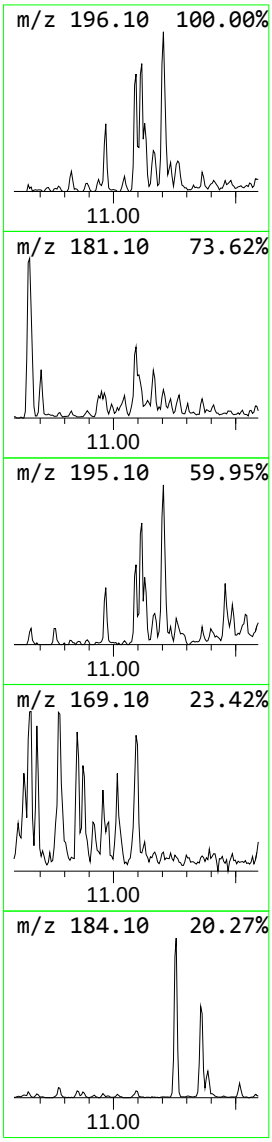
****

Peak Number 2 2,2-Dimethyl-1-acenaphthenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.092	3.31 ng	119130	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	64
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
3	4,5-Dimethoxy-2-hydroxyacetophenone	196	C10H12O4	020628-06-2	52
4	6-(Methylthio)benzo[d]thiazol-2-...	196	C8H8N2S2	050850-92-5	50
5	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

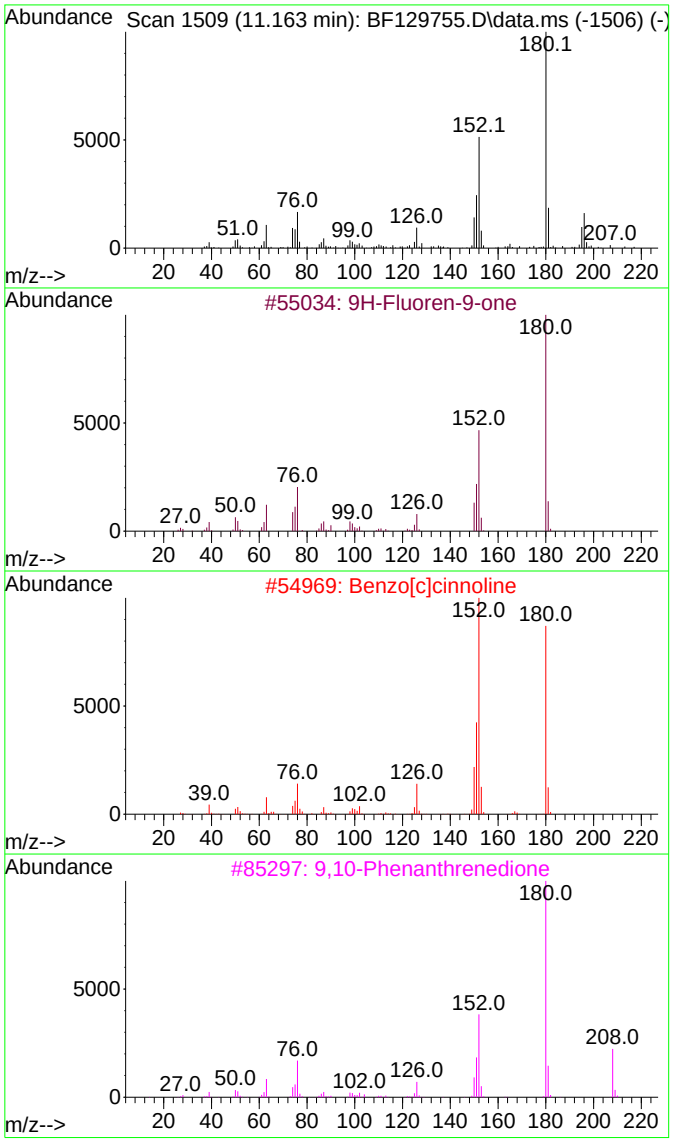
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

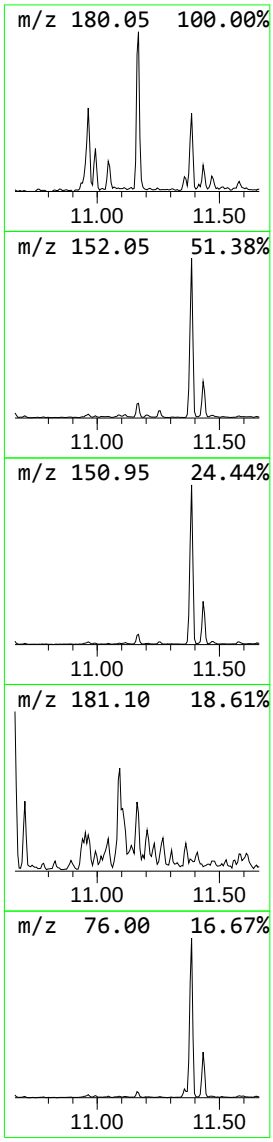
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	3.74 ng	134502	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	94
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

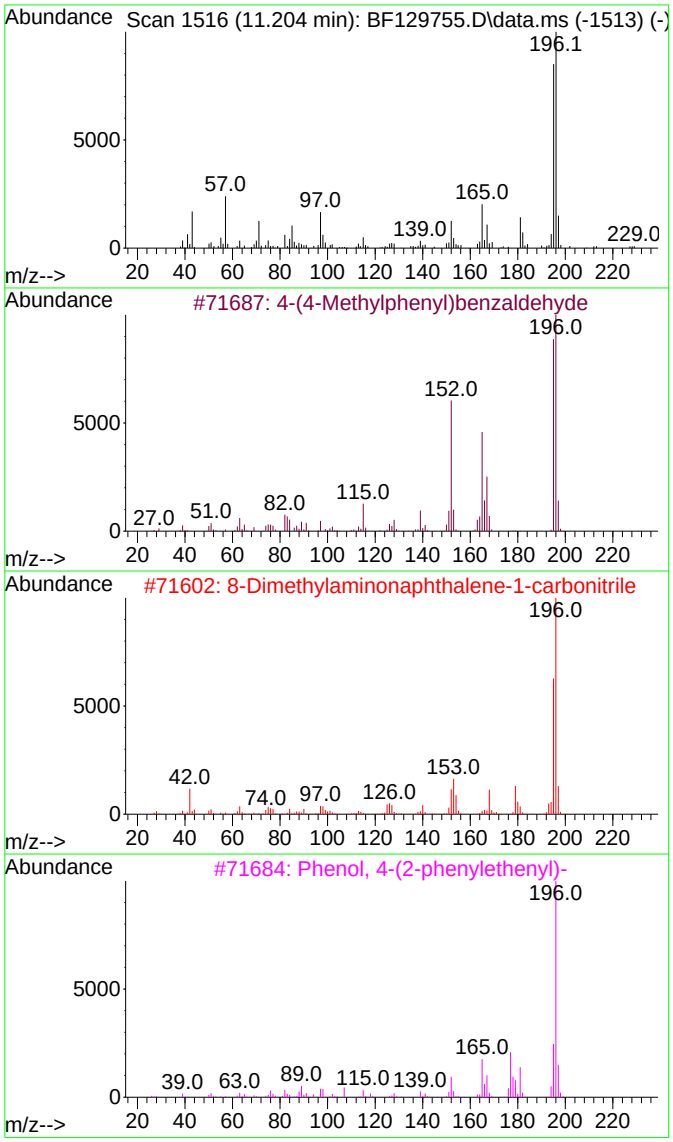
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

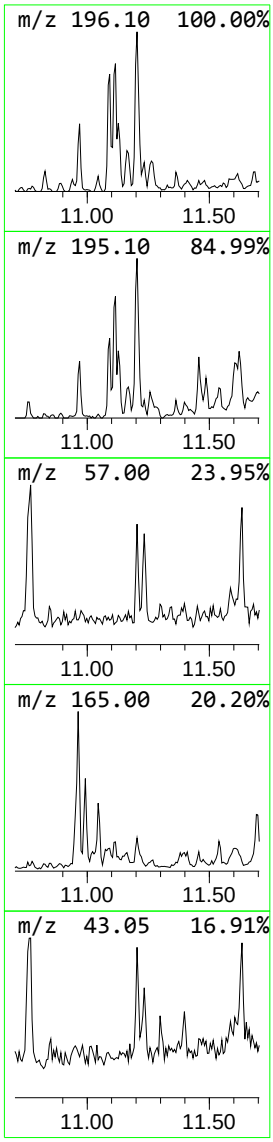
****

Peak Number 4 4-(4-Methylphenyl)benzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	3.50 ng	126018	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
4	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	62
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

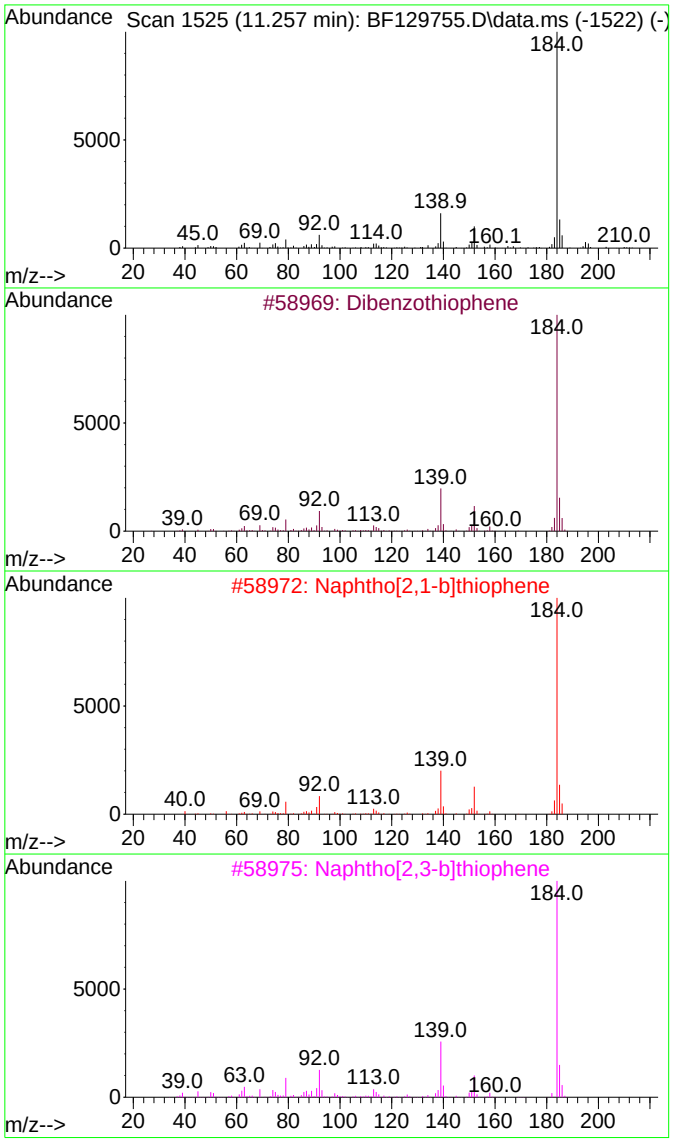
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

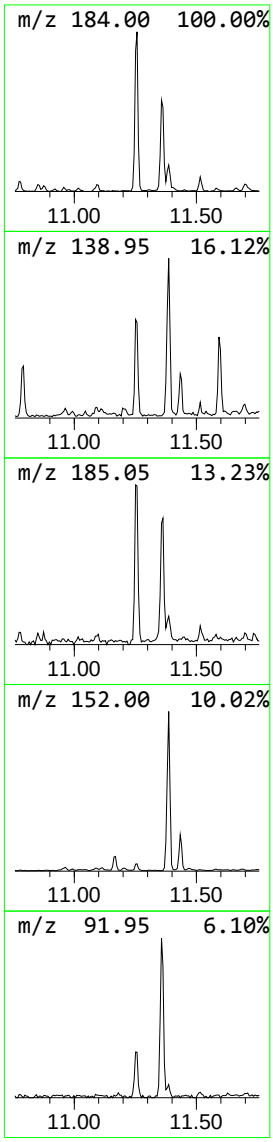
****

Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	5.04 ng	181261	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

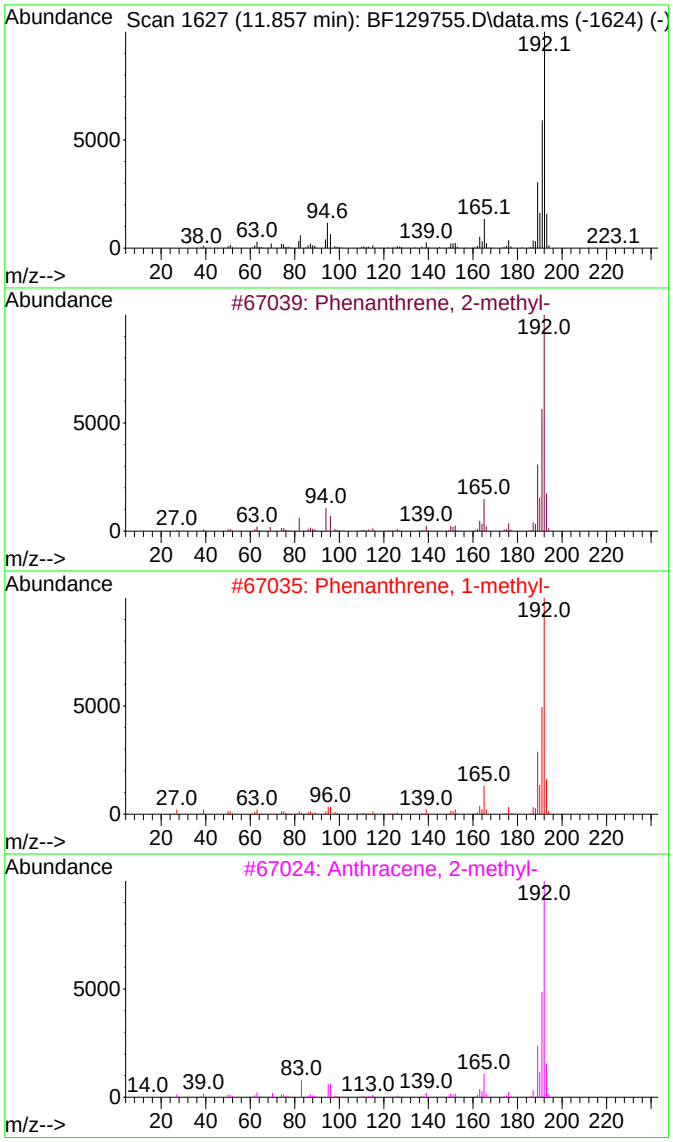
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

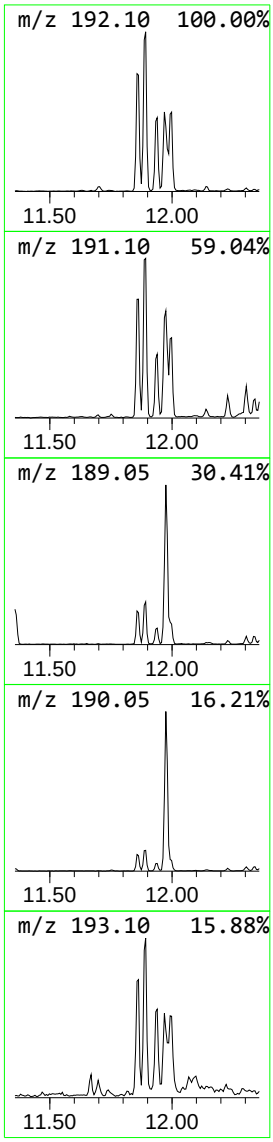
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	13.04 ng	468854	Phenanthrene-d10	11.357

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	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

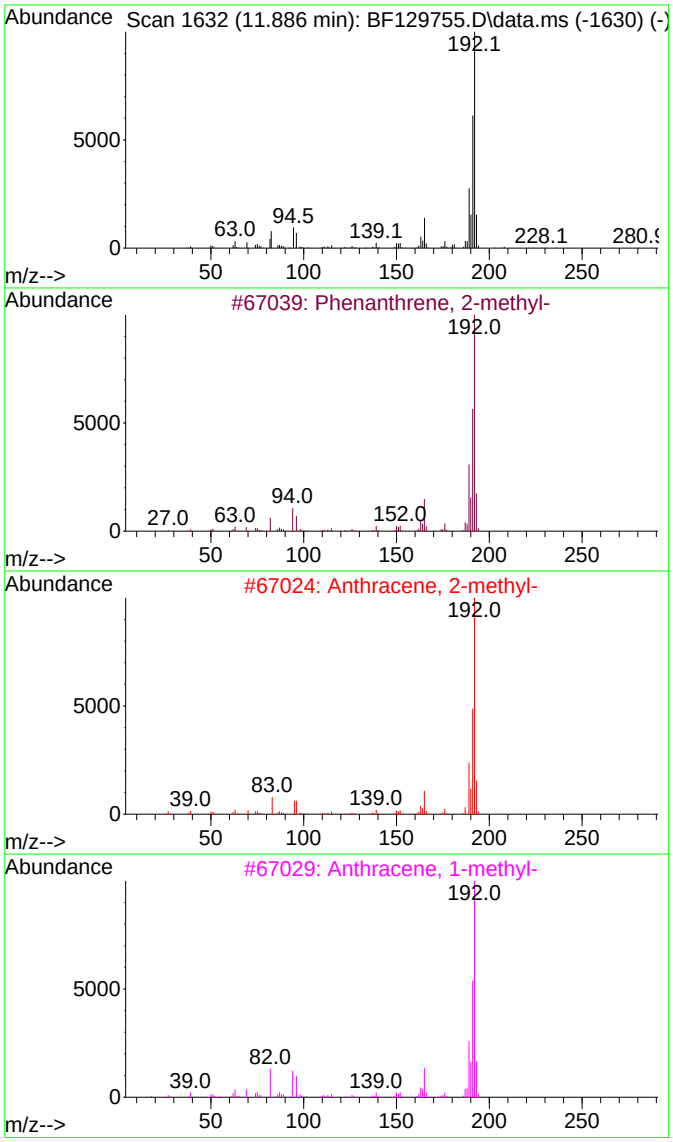
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

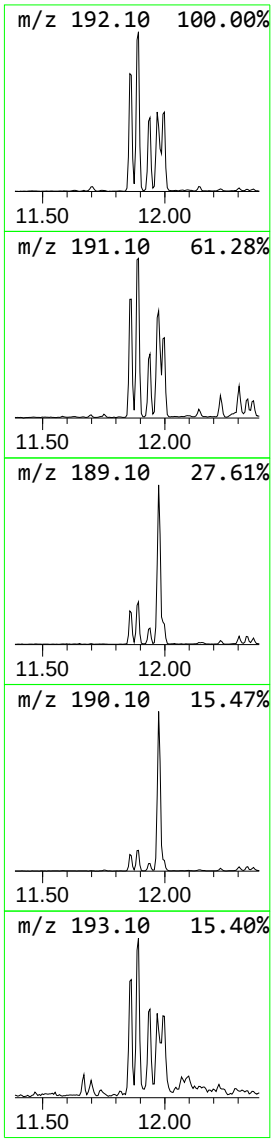
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	16.79 ng	603808	Phenanthrene-d10	11.357

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

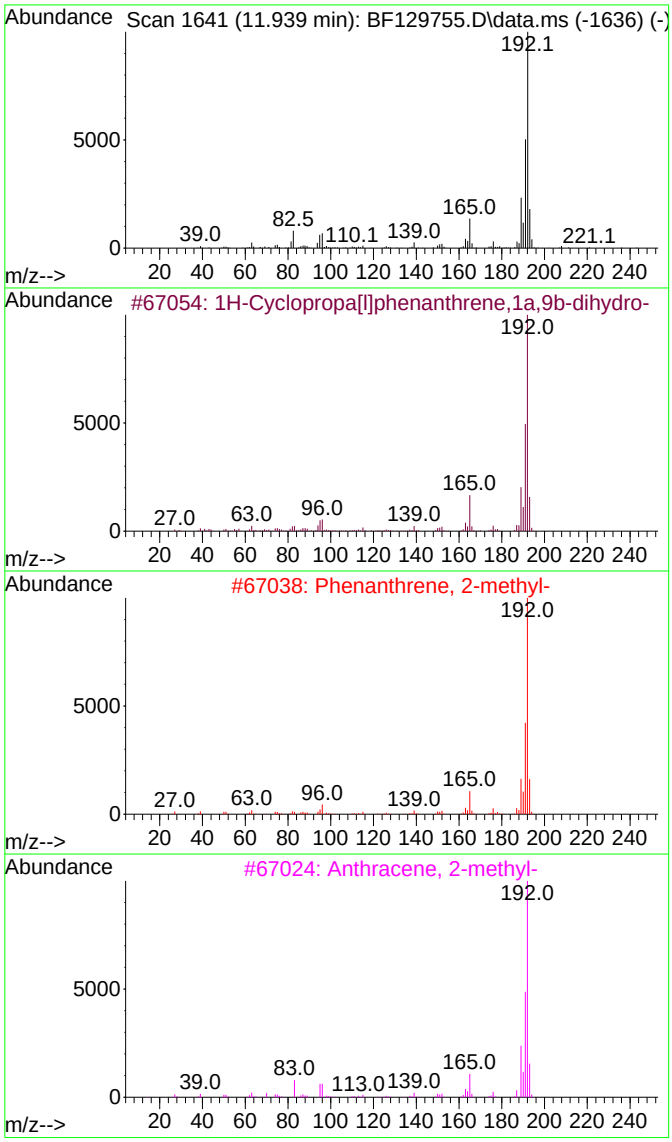
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

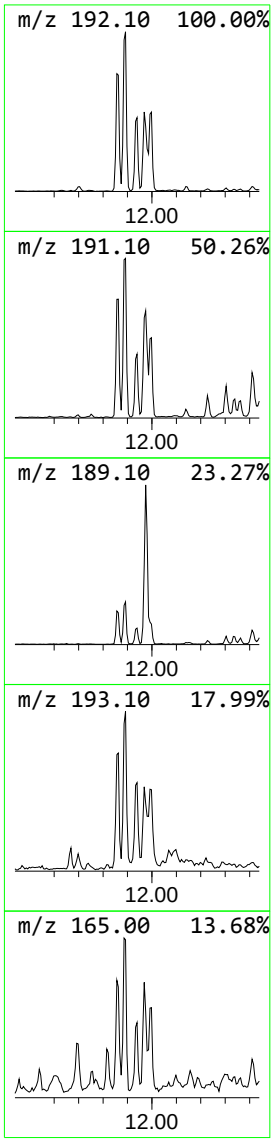
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	6.58 ng	236699	Phenanthrene-d10	11.357

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





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Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

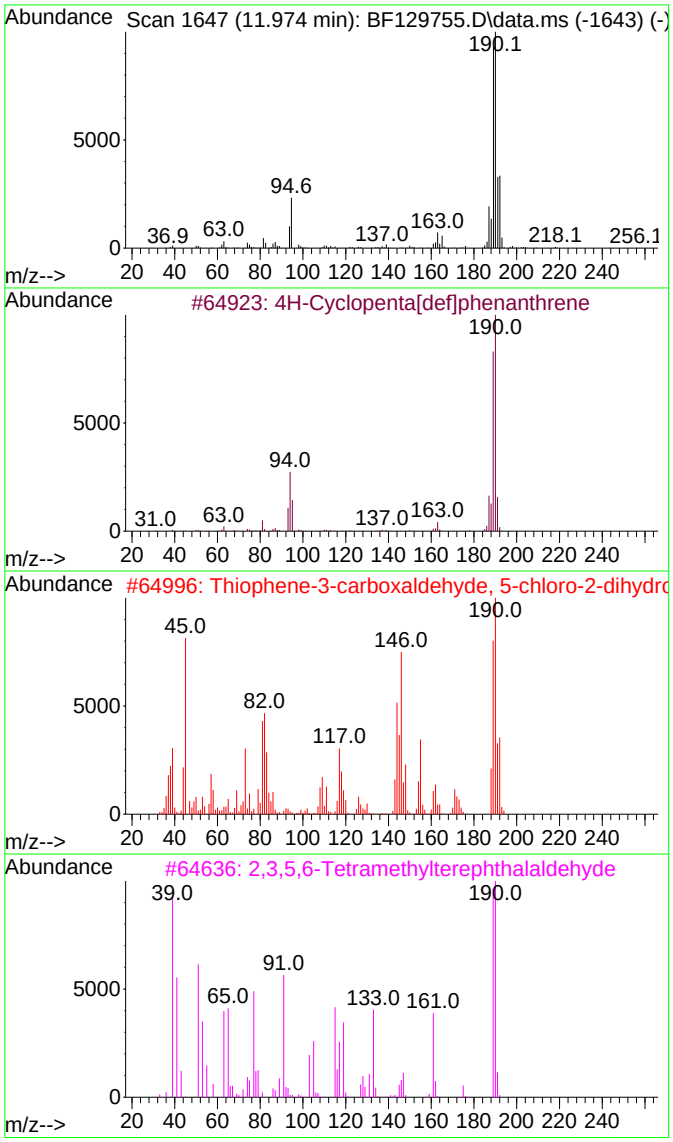
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

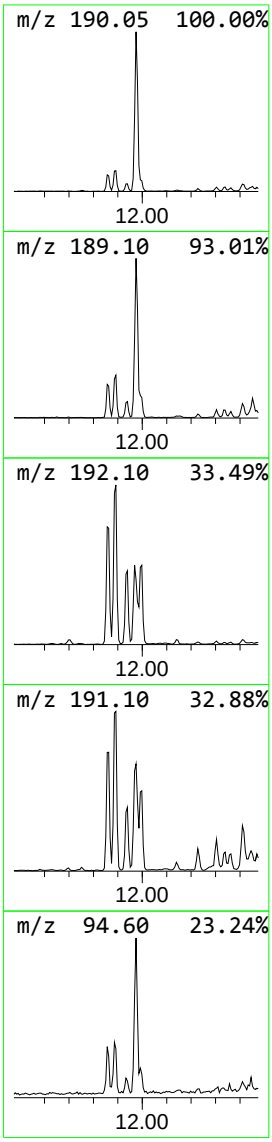
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	24.59 ng	884000	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
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 : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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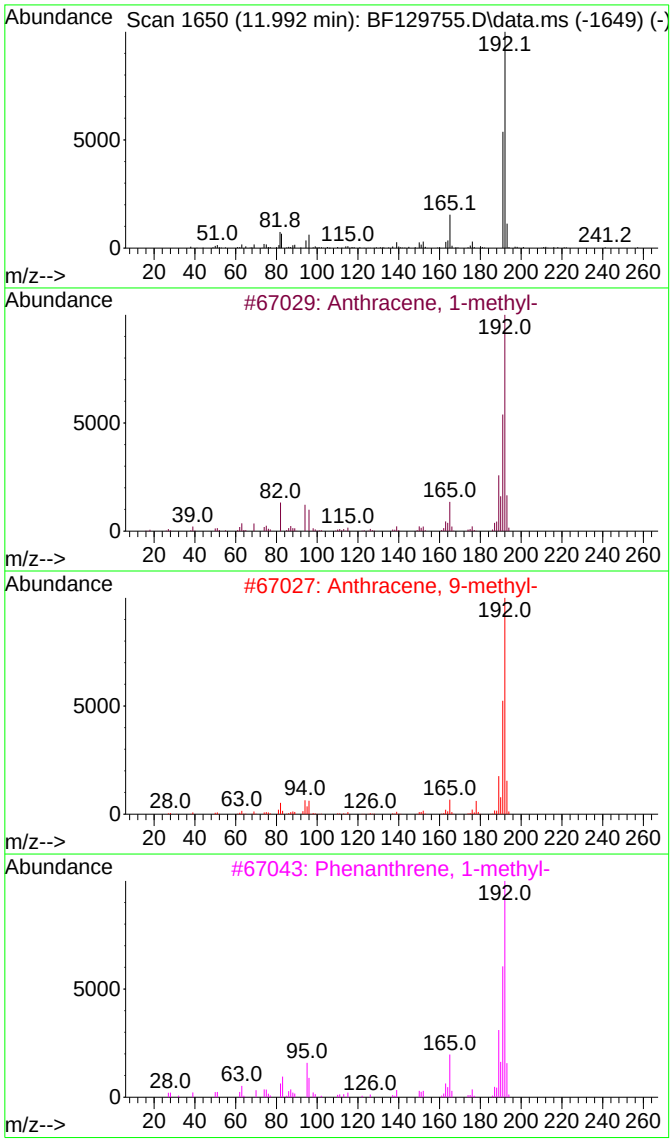
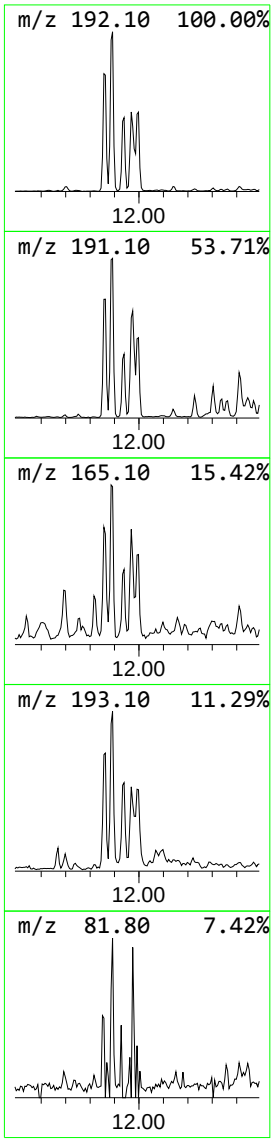
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	7.25 ng	260502	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80





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Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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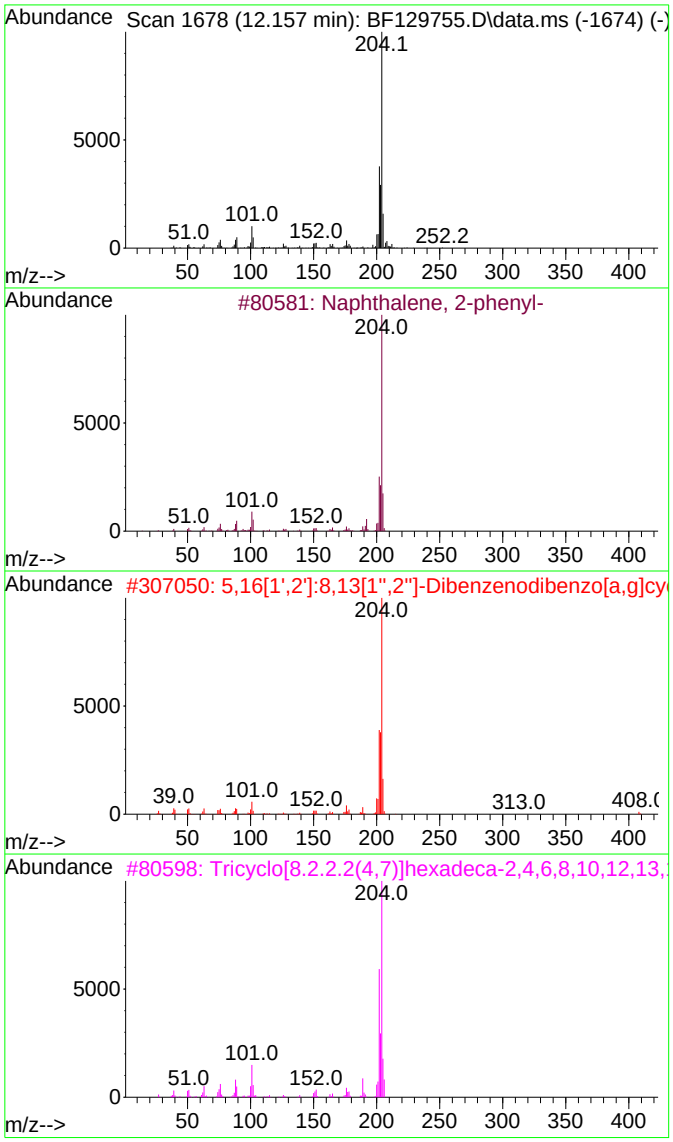
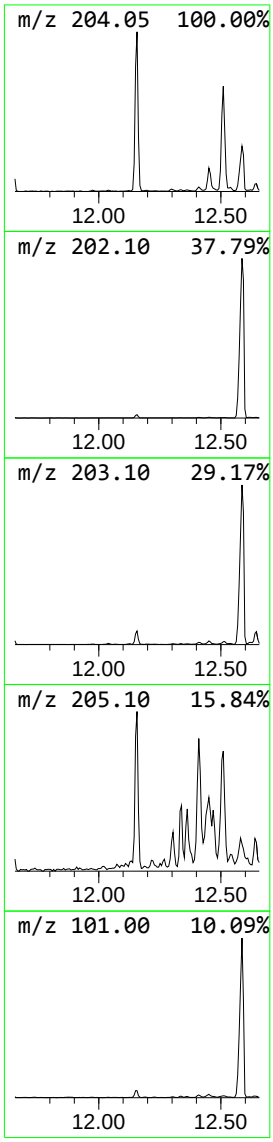
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	9.32 ng	335040	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58





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Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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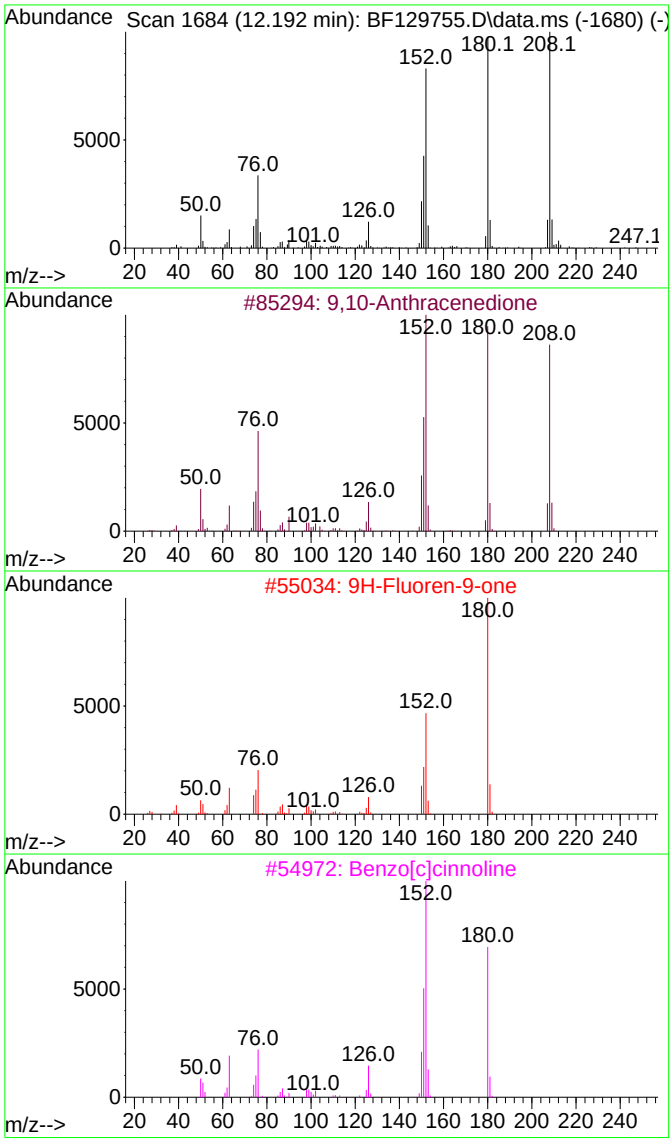
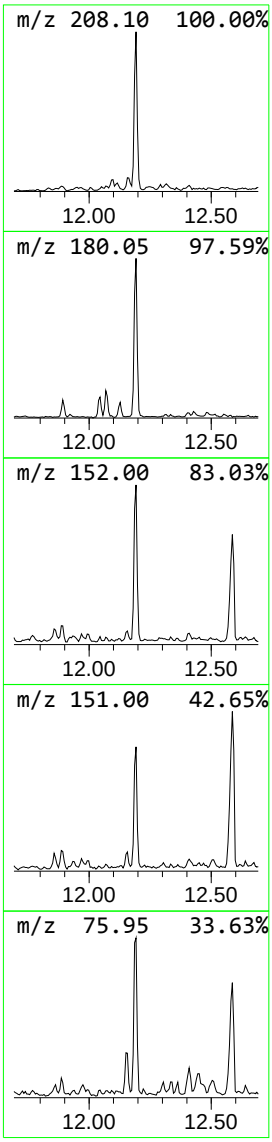
Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	8.65 ng	311032	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
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	60





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Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-081022

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

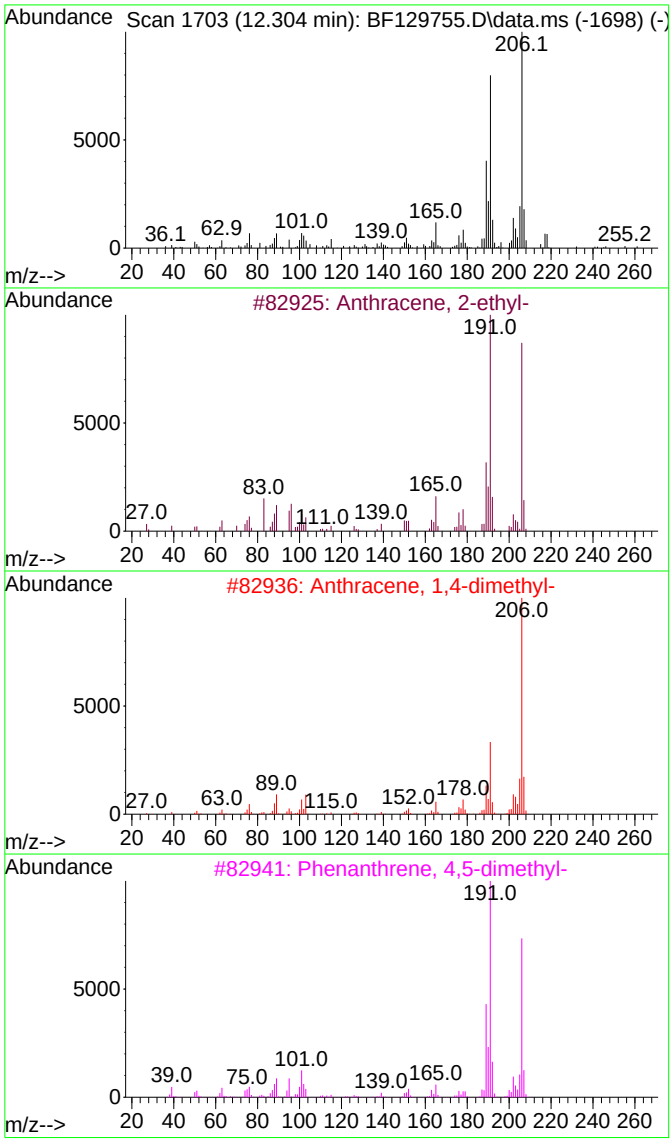
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

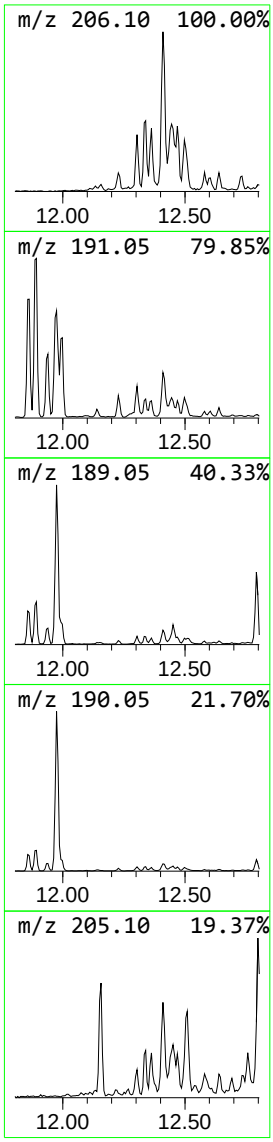
****

Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	3.78 ng	135866	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91





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Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

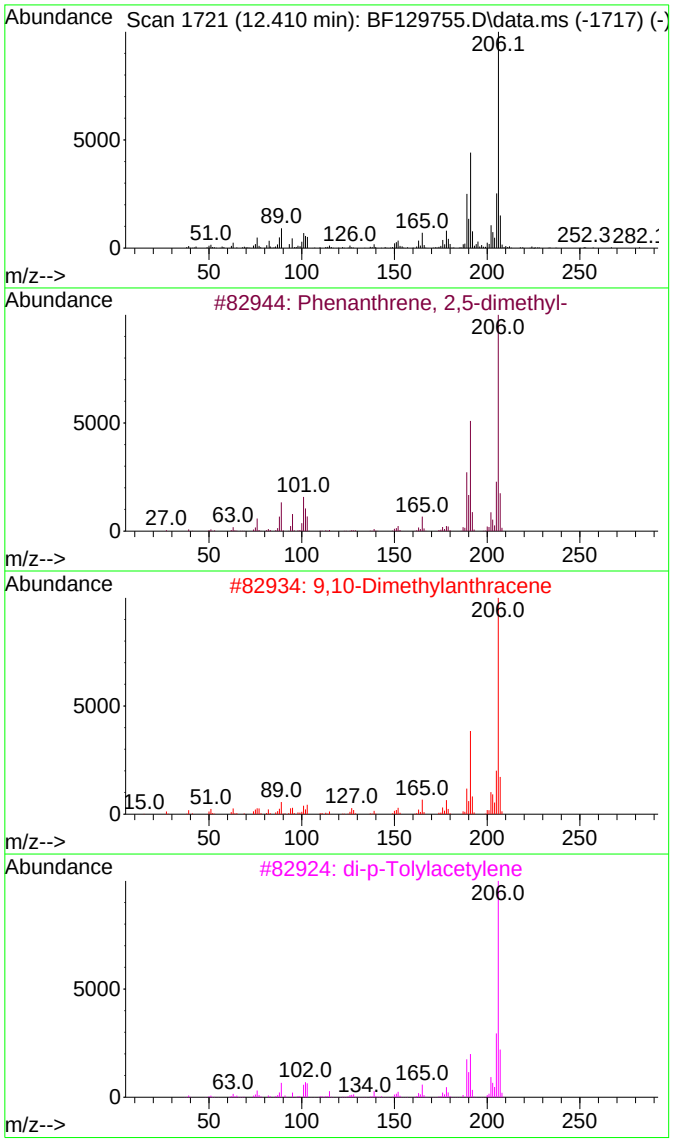
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

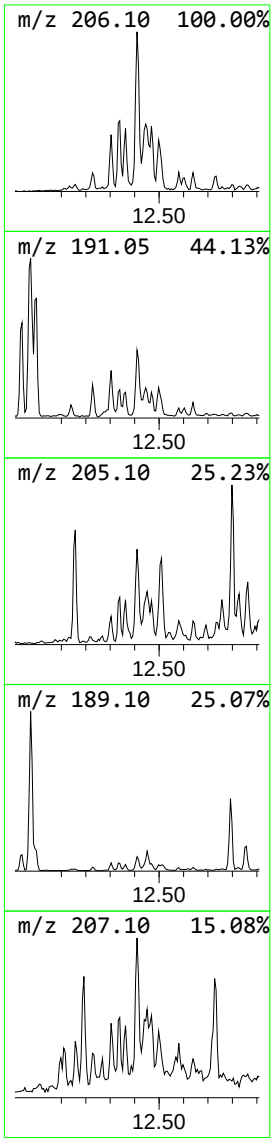
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	8.84 ng	317758	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

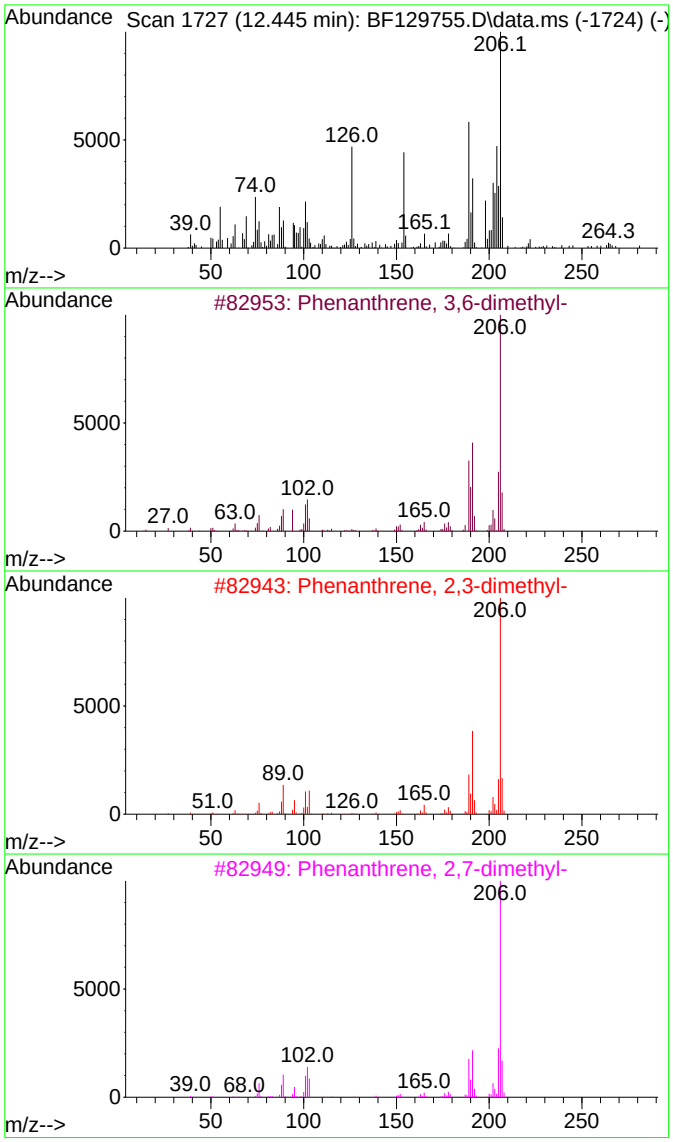
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

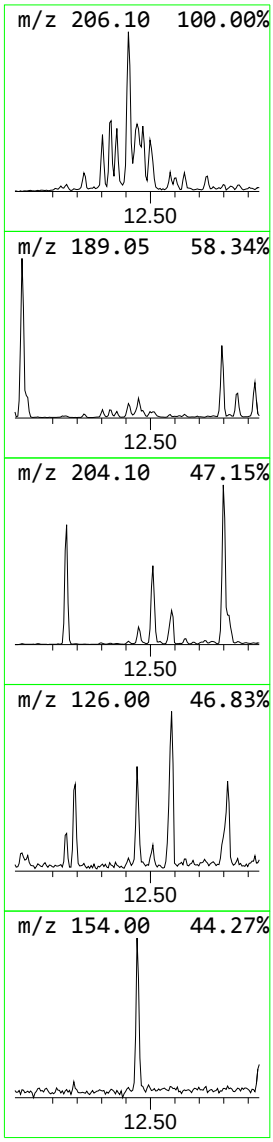
****

Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	6.97 ng	250466	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	59
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	27
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	27





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ClientSampleId :
CL-01-081022

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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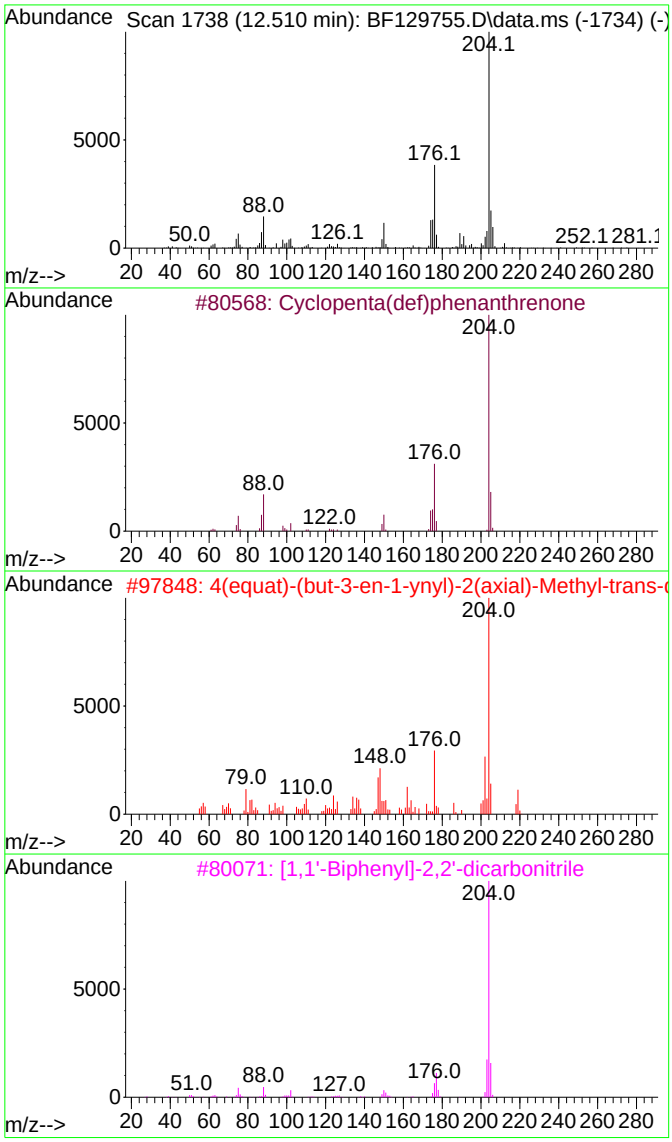
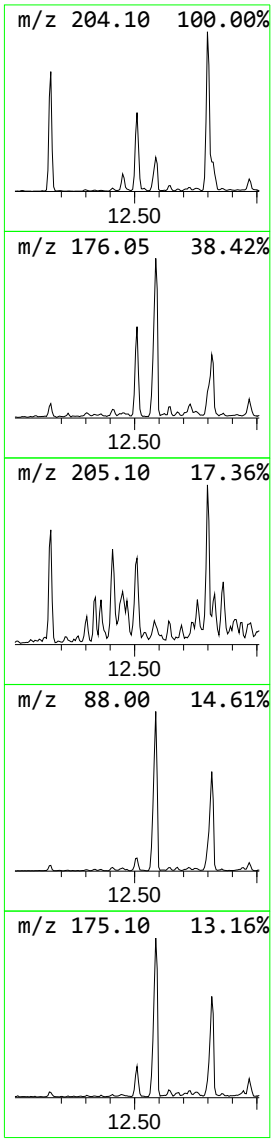
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	9.81 ng	352747	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

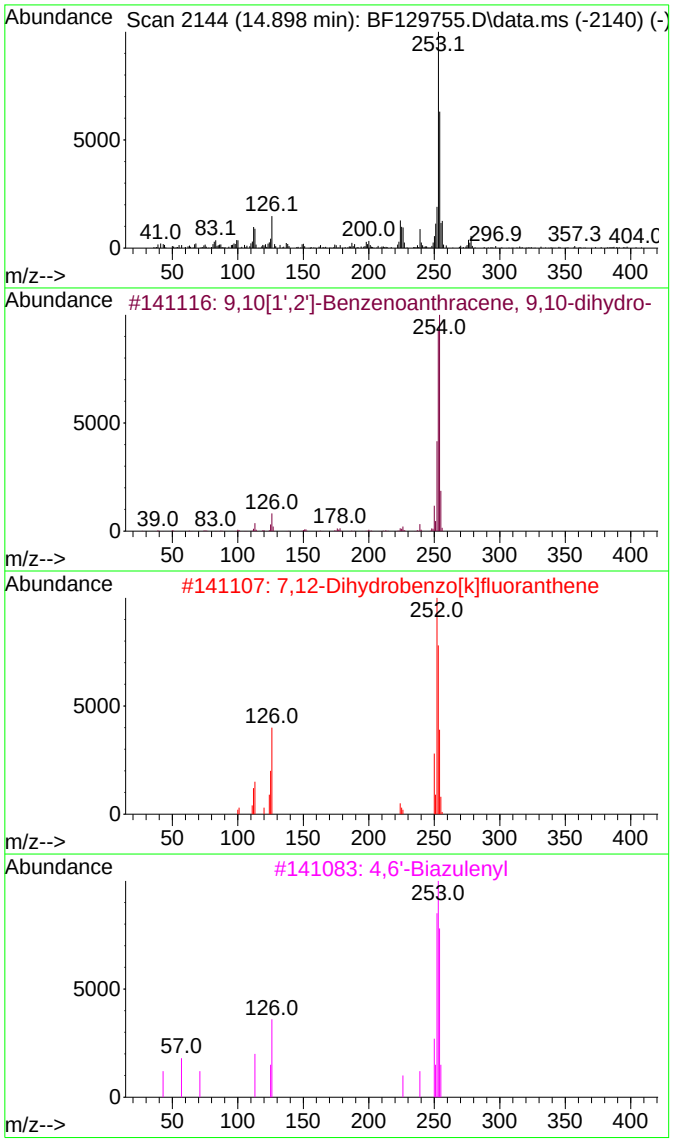
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

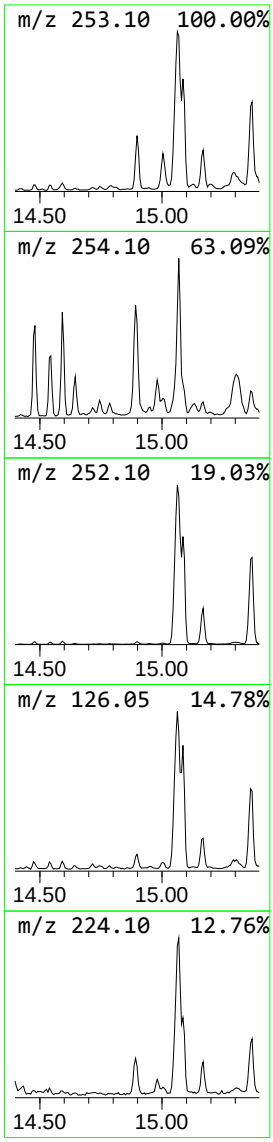
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,10[1',2']-Benzenoanthrace... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	11.38 ng	312814	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	62
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	59
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	58
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	58
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

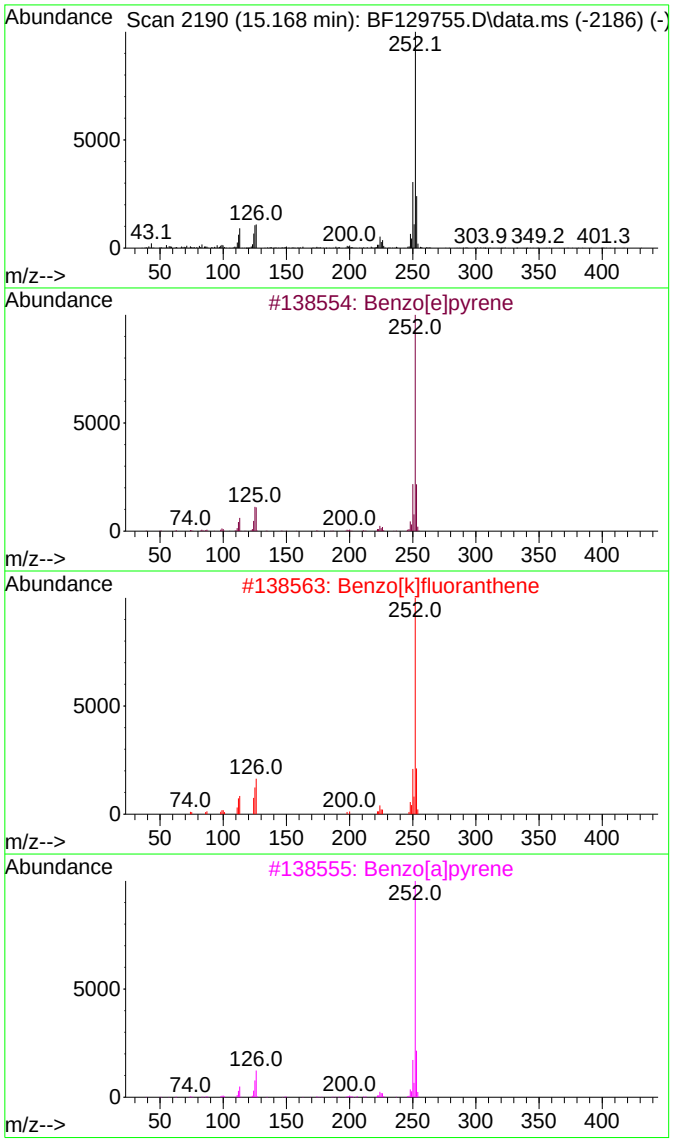
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

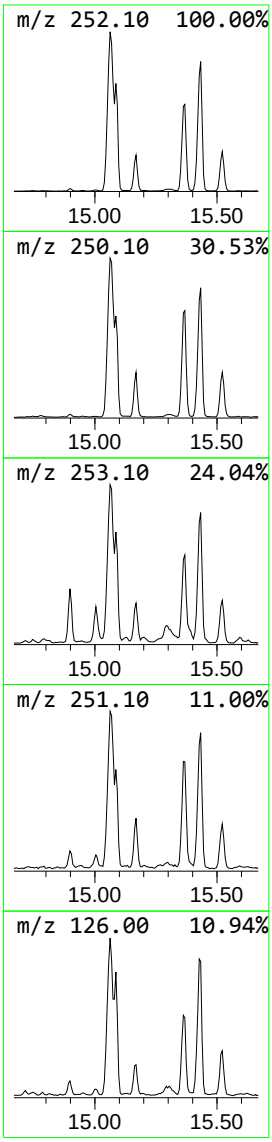
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	18.51 ng	508836	Perylene-d12	15.492

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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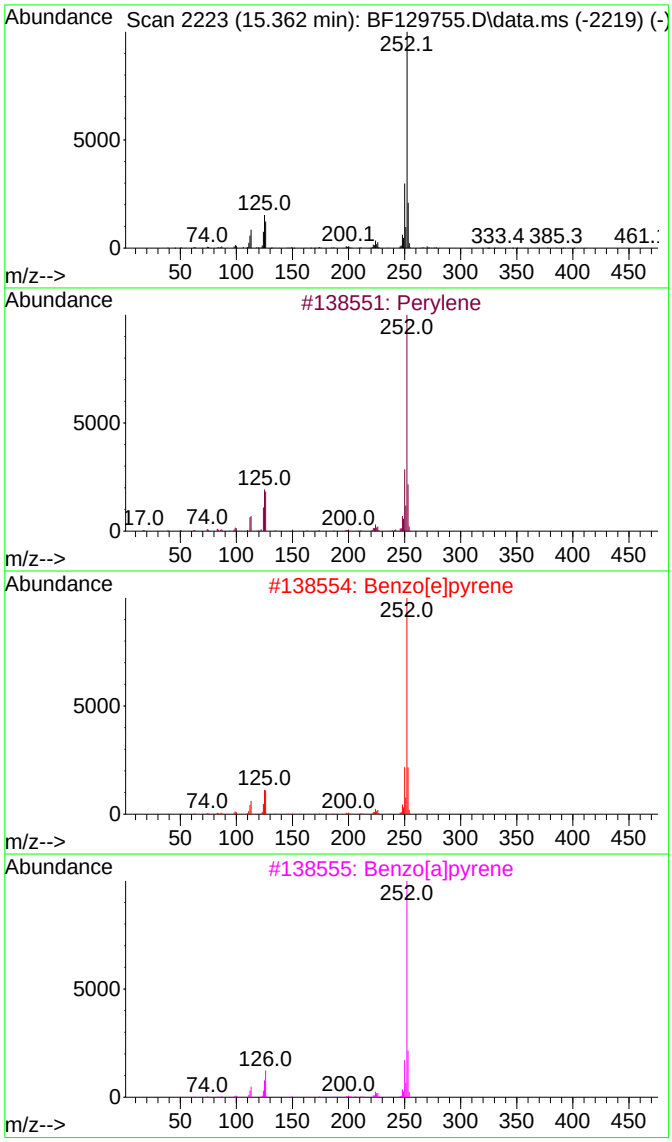
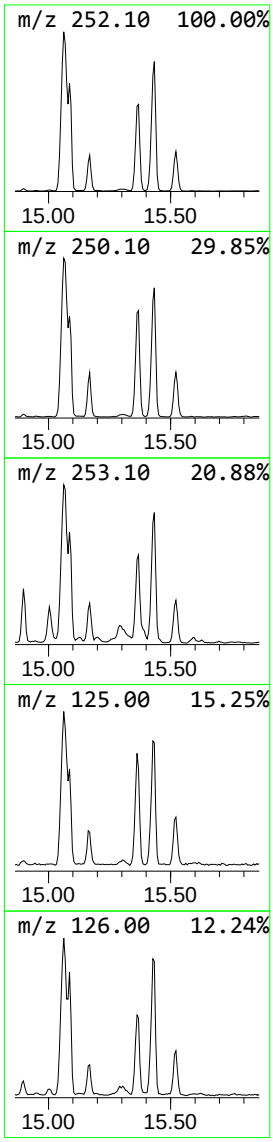
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.363	50.29 ng	1382380	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

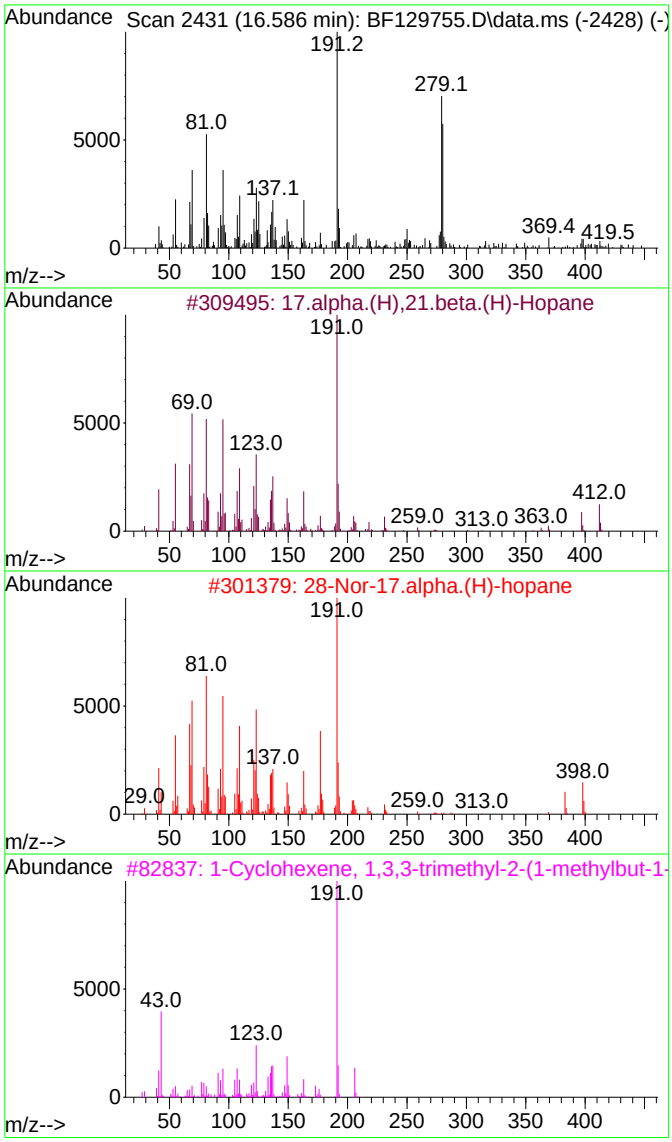
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

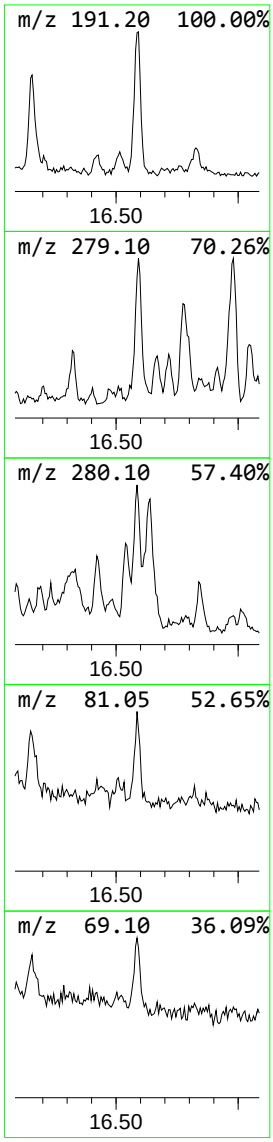
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 17.alpha.(H),21.beta.(H)-Ho... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.586	9.06 ng	248933	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17.alpha.(H),21.beta.(H)-Hopane	412	C30H52	013849-96-2	91
2	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	66
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	35
4	Benzamide, 3-fluoro-5-trifluorom...	277	C13H15F4NO	1000464-75-6	30
5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
Data File : BF129755.D
Acq On : 12 Aug 2022 21:02
Operator : CG\JU
Sample : N4150-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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, 2-...	10.963	4.2	ng	150558	4	11.357	719119	20.0
2,2-Dimethyl-1-...	11.092	3.3	ng	119130	4	11.357	719119	20.0
9H-Fluoren-9-one	11.163	3.7	ng	134502	4	11.357	719119	20.0
4-(4-Methylphen...	11.204	3.5	ng	126018	4	11.357	719119	20.0
Dibenzothiophene	11.257	5.0	ng	181261	4	11.357	719119	20.0
Phenanthrene, 2...	11.857	13.0	ng	468854	4	11.357	719119	20.0
Anthracene, 2-m...	11.886	16.8	ng	603808	4	11.357	719119	20.0
1H-Cyclopropa[l...	11.939	6.6	ng	236699	4	11.357	719119	20.0
4H-Cyclopenta[d...	11.975	24.6	ng	884000	4	11.357	719119	20.0
Anthracene, 1-m...	11.992	7.3	ng	260502	4	11.357	719119	20.0
Naphthalene, 2-...	12.157	9.3	ng	335040	4	11.357	719119	20.0
9,10-Anthracene...	12.192	8.7	ng	311032	4	11.357	719119	20.0
Anthracene, 2-e...	12.304	3.8	ng	135866	4	11.357	719119	20.0
Phenanthrene, 2...	12.410	8.8	ng	317758	4	11.357	719119	20.0
Phenanthrene, 3...	12.445	7.0	ng	250466	4	11.357	719119	20.0
Cyclopenta(def)...	12.510	9.8	ng	352747	4	11.357	719119	20.0
9,10[1',2']-Ben...	14.898	11.4	ng	312814	6	15.492	549714	20.0
Benzo[e]pyrene	15.168	18.5	ng	508836	6	15.492	549714	20.0
Perylene	15.363	50.3	ng	1382380	6	15.492	549714	20.0
17.alpha.(H),21...	16.586	9.1	ng	248933	6	15.492	549714	20.0