LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051022

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-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128212.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.516	545	549	552	rBV	1699376	1516020	34.30%	2.693%
2	6.522	716	720	723	rBV	1624146	1584907	35.86%	2.815%
3	6.893	779	783	787	rBV	616293	473343	10.71%	0.841%
4	7.457	875	879	882	rBV	1194729	1067794	24.16%	1.897%
5	8.175	997	1001	1004	rBV	709922	596965	13.51%	1.060%
6	9.251	1179	1184	1187	rBV	2191689	1794882	40.61%	3.188%
7	9.510	1225	1228	1233	rBV2	47902	64907	1.47%	0.115%
8	9.586	1238	1241	1244	rBV	67776	70176	1.59%	0.125%
9	9.792	1273	1276	1281	rBV	234772	217461	4.92%	0.386%
10	9.934	1293	1300	1303	rVV	726459	609244	13.79%	1.082%
11	9.969	1303	1306	1309	rVB	321650	284768	6.44%	0.506%
12	10.139	1331	1335	1338	rVV	225060	206118	4.66%	0.366%
13	10.245	1349	1353	1356	rBV2	52111	59838	1.35%	0.106%
14	10.351	1364	1371	1374	rBV2	68196	98576	2.23%	0.175%
15	10.481	1390	1393	1399	rVB	396900	371931	8.42%	0.661%
16	10.569	1406	1408	1410	rVB	82210	62941	1.42%	0.112%
17	10.639	1418	1420	1423	rVB	94847	75292	1.70%	0.134%
18	10.728	1431	1435	1441	rBV	1024278	998086	22.58%	1.773%
19	10.828	1448	1452	1455	rBV2	73585	121431	2.75%	0.216%
20	11.033	1480	1487	1489	rBV2	106005	141427	3.20%	0.251%
21	11.057	1489	1491	1494	rVV2	59172	58692	1.33%	0.104%
22	11.157	1503	1508	1510	rVV3	68760	93283	2.11%	0.166%
23	11.181	1510	1512	1517	rVV2	77184	95662	2.16%	0.170%
24	11.228	1517	1520	1524	rVV2	64330	77452	1.75%	0.138%
25	11.275	1524	1528	1530	rVV	113217	124129	2.81%	0.220%
26	11.322	1534	1536	1541	rVB	183850	149277	3.38%	0.265%
27	11.428	1550	1554	1556	rBV	555902	555215	12.56%	0.986%
28	11.457	1556	1559	1562	rVV	2190105	1902470	43.05%	3.379%
29	11.504	1563	1567	1570	rVV	1010257	815099	18.44%	1.448%
30	11.533	1570	1572	1578	rVV	71996	98210	2.22%	0.174%
31	11.657	1589	1593	1598	rBV	180974	220351	4.99%	0.391%
32	11.698	1598	1600	1602	rVV2	75325	66632	1.51%	0.118%
33	11.722	1602	1604	1607	rVV	67132	62164	1.41%	0.110%
34	11.757	1607	1610	1614	rVB3	77111	85162	1.93%	0.151%
35	11.928	1636	1639	1641	rBV	332220	280649	6.35%	0.498%
36	11.957	1641	1644	1647	rVB	478688	408052	9.23%	0.725%

LSC Area Percent Report

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Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

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-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.004	1647	1652	1655	rBV	267939	251053	5.68%	0.446%
38	12.045	1655	1659	1661	rBV	772973	794747	17.98%	1.412%
39	12.110	1667	1670	1672	rBV	94050	76836	1.74%	0.136%
40	12.222	1686	1689	1692	rVV	277623	256947	5.81%	0.456%
41	12.251	1692	1694	1698	rVB	94858	94288	2.13%	0.167%
42	12.369	1712	1714	1717	rVB	73889	62921	1.42%	0.112%
43	12.404	1717	1720	1722	rBV	119653	89359	2.02%	0.159%
44	12.427	1722	1724	1727	rVB	109676	86825	1.96%	0.154%
45	12.480	1729	1733	1735	rBV	262124	304198	6.88%	0.540%
46	12.516	1735	1739	1741	rVV3	182998	264422	5.98%	0.470%
47	12.539	1741	1743	1745	rVB	95622	74666	1.69%	0.133%
48	12.575	1745	1749	1752	rBV3	221710	269021	6.09%	0.478%
49	12.657	1757	1763	1766	rBV	3625499	4091885	92.59%	7.268%
50	12.686	1766	1768	1770	rBV	89293	66205	1.50%	0.118%
51	12.710	1770	1772	1775	rVB	109905	80472	1.82%	0.143%
52	12.739	1775	1777	1780	rVB	100440	78554	1.78%	0.140%
53	12.798	1784	1787	1790	rBV2	183056	168006	3.80%	0.298%
54	12.886	1795	1802	1806	rBV2	3128262	4419478	100.00%	7.850%
55	12.922	1806	1808	1812	rVB2	236982	245991	5.57%	0.437%
56	13.016	1816	1824	1826	rBV2	1502801	1625012	36.77%	2.886%
57	13.033	1826	1827	1831	rVB	157985	122249	2.77%	0.217%
58	13.092	1832	1837	1841	rBV3	332508	595326	13.47%	1.057%
59	13.180	1848	1852	1853	rBV3	282291	323554	7.32%	0.575%
60	13.204	1853	1856	1859	rVB	826056	777740	17.60%	1.381%
61	13.269	1864	1867	1870	rBV	674746	627825	14.21%	1.115%
62	13.310	1870	1874	1876	rBV2	477168	523334	11.84%	0.930%
63	13.333	1876	1878	1881	rVB	117643	98204	2.22%	0.174%
64	13.363	1881	1883	1886	rVB	113485	91237	2.06%	0.162%
65	13.404	1887	1890	1892	rBV	251715	215888	4.88%	0.383%
66	13.433	1892	1895	1898	rBV	269369	265829	6.01%	0.472%
67	13.574	1916	1919	1921	rBV3	108339	112385	2.54%	0.200%
68	13.604	1922	1924	1926	rVV2	65493	58723	1.33%	0.104%
69	13.686	1935	1938	1940	rBV	180726	187256	4.24%	0.333%
70	13.716	1940	1943	1947	rVV	338150	327381	7.41%	0.582%
71	13.827	1958	1962	1964	rBV	467145	468200	10.59%	0.832%
72	13.851	1964	1966	1969	rVV	394400	381109	8.62%	0.677%
73	13.880	1969	1971	1976	rVV2	402956	552761	12.51%	0.982%
74	13.927	1976	1979	1982	rVB	242951	225192	5.10%	0.400%
75	13.992	1988	1990	1996	rVB	133004	175150	3.96%	0.311%
76	14.074	1997	2004	2008	rBV2	2265182	3786298	85.67%	6.725%

LSC Area Percent Report

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Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

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

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.116	2008	2011	2017	rVV	2282932	2168477	49.07%	3.852%
78	14.163	2017	2019	2021	rVV2	99911	107335	2.43%	0.191%
79	14.186	2021	2023	2026	rVV	631947	616839	13.96%	1.096%
80	14.227	2028	2030	2035	rVV3	262101	385191	8.72%	0.684%
81	14.298	2039	2042	2046	rVV2	203834	343713	7.78%	0.611%
82	14.339	2046	2049	2051	rVB	123259	116165	2.63%	0.206%
83	14.427	2061	2064	2066	rBV	228293	216720	4.90%	0.385%
84	14.469	2066	2071	2073	rVV	484108	595456	13.47%	1.058%
85	14.498	2074	2076	2078	rVB	238253	175901	3.98%	0.312%
86	14.563	2085	2087	2090	rVV	173538	133471	3.02%	0.237%
87	14.592	2090	2092	2094	rVV	264549	226373	5.12%	0.402%
88	14.616	2094	2096	2099	rVB	320018	260862	5.90%	0.463%
89	14.786	2123	2125	2127	rBV	124322	129424	2.93%	0.230%
90	14.974	2154	2157	2164	rVB	224061	321872	7.28%	0.572%
91	15.157	2181	2188	2191	rBV	1755248	3426559	77.53%	6.086%
92	15.180	2191	2192	2195	rVB	1168663	636682	14.41%	1.131%
93	15.257	2201	2205	2209	rBV	493094	512378	11.59%	0.910%
94	15.345	2217	2220	2221	rBV2	107078	126873	2.87%	0.225%
95	15.468	2235	2241	2246	rVB	896497	1405481	31.80%	2.496%
96	15.539	2246	2253	2256	rBV	1497348	2126875	48.13%	3.778%
97	15.627	2264	2268	2273	rVB2	529377	767861	17.37%	1.364%
98	16.168	2357	2360	2364	rVB2	115247	151855	3.44%	0.270%
99	17.133	2516	2524	2531	rVB2	622784	1383029	31.29%	2.457%
100	17.604	2596	2604	2616	rVB	457627	1138655	25.76%	2.023%

Sum of corrected areas: 56299180

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
Data File : BF128212.D
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Misc :
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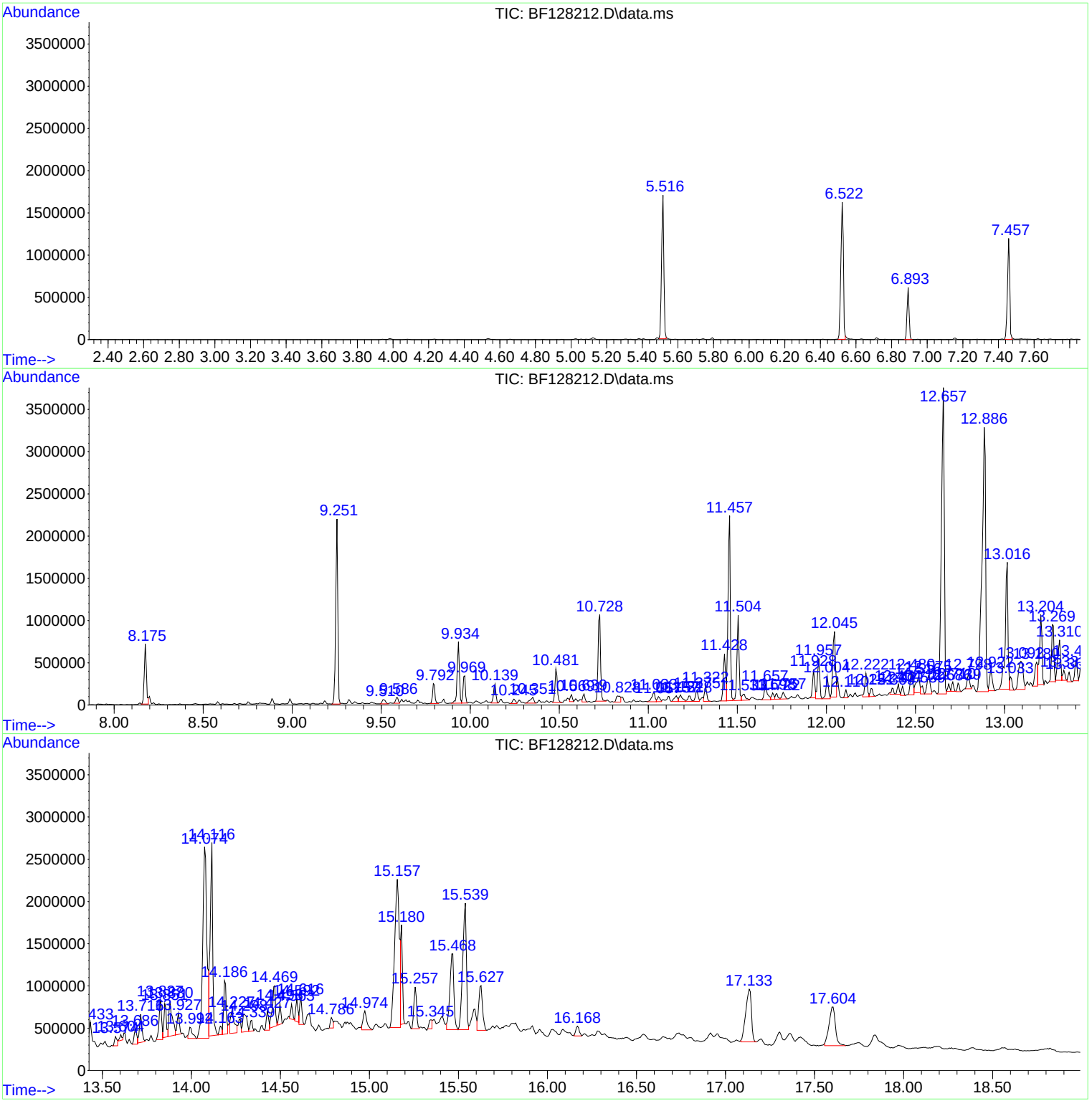
Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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\BF051122\
Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

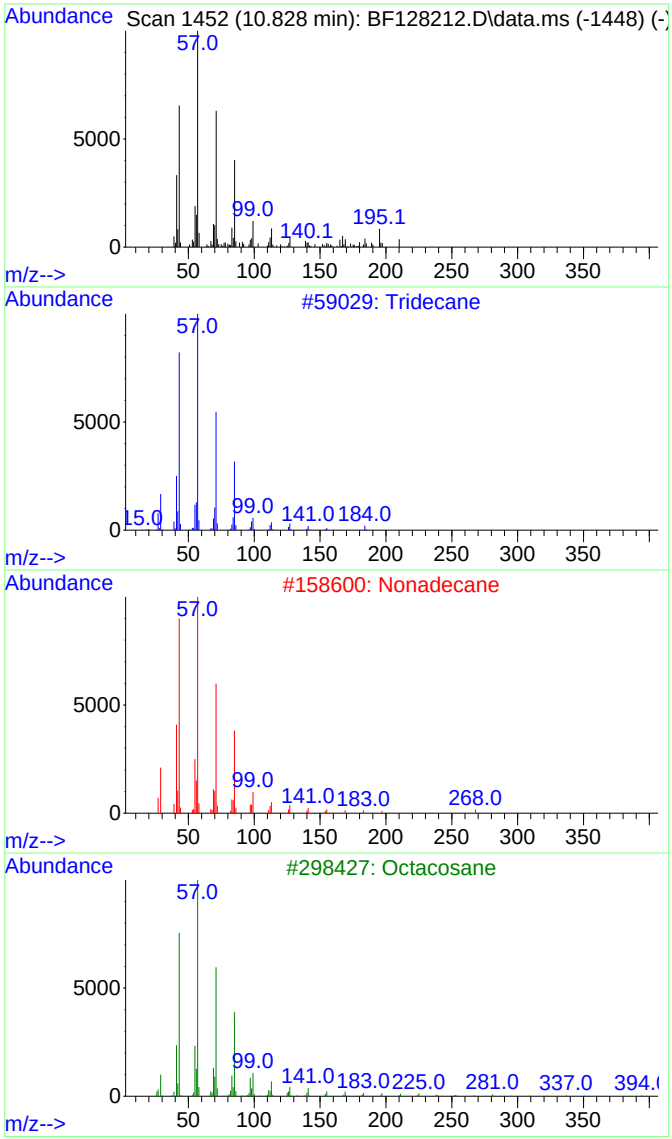
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

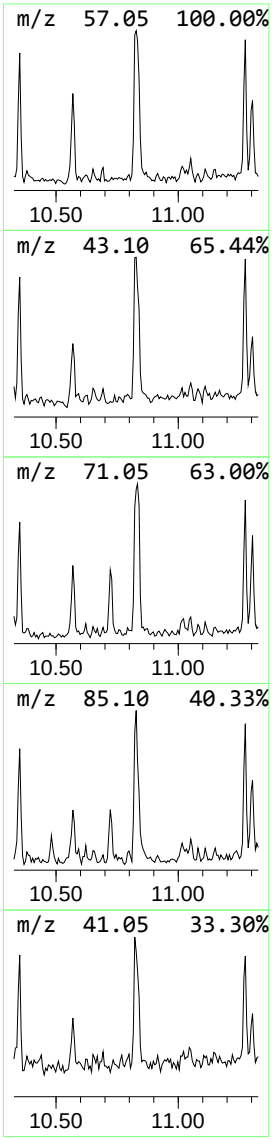
****

Peak Number 1 Tridecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.828	4.37 ng	121431	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	81
2	Nonadecane	268	C19H40	000629-92-5	74
3	Octacosane	394	C28H58	000630-02-4	74
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
5	Heptacosane	380	C27H56	000593-49-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

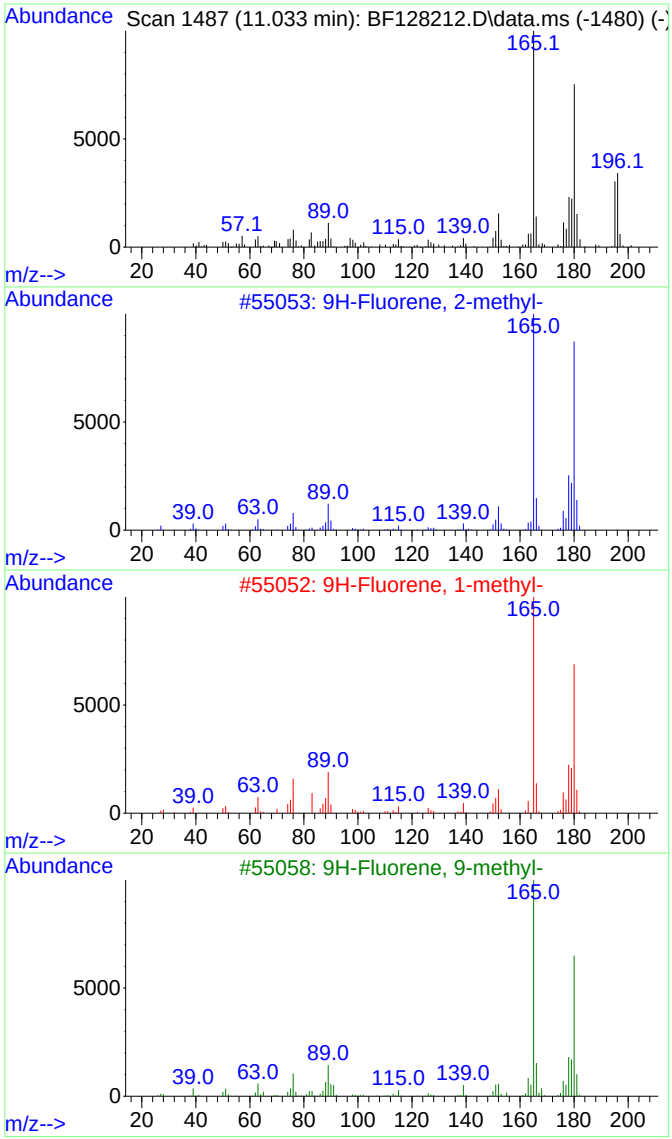
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

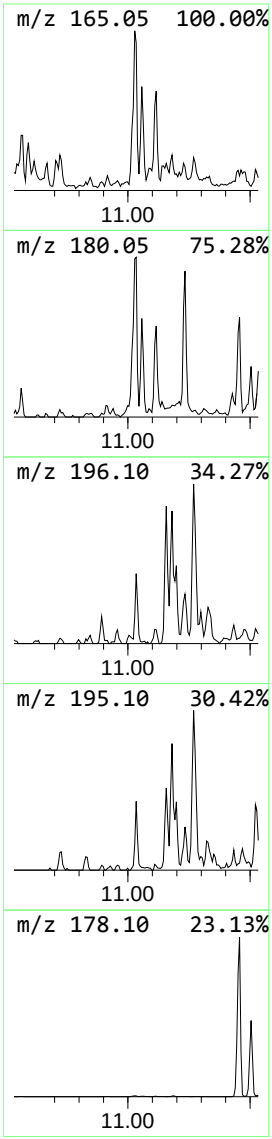
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.034	5.09 ng	141427	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

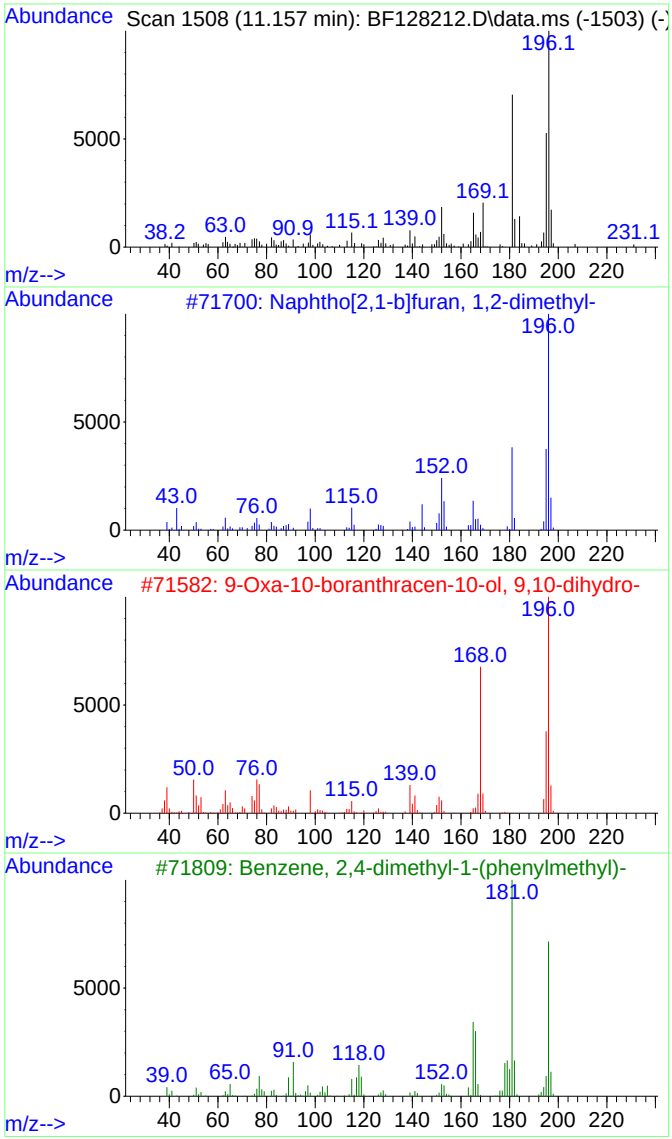
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

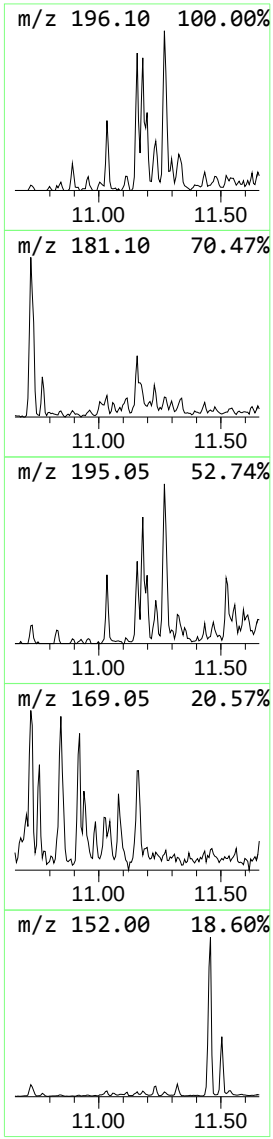
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	3.36 ng	93283	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	74
2	9-Oxa-10-boranthracen-10-ol, 9,1...	196	C12H9BO2	019014-28-9	60
3	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	58
4	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	52
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

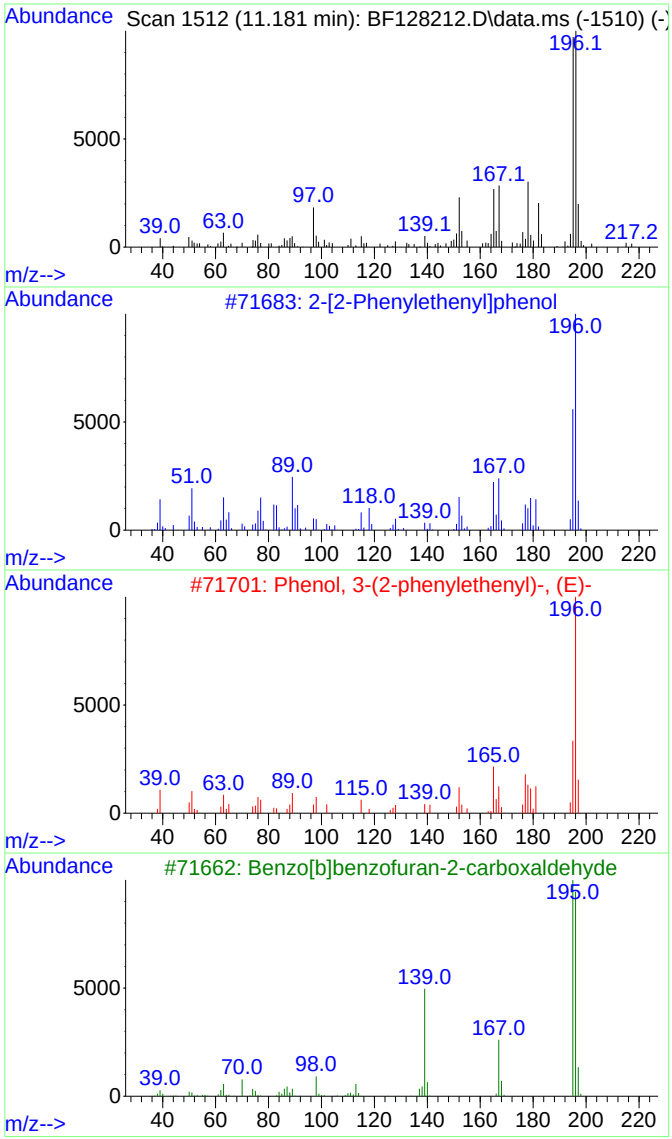
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

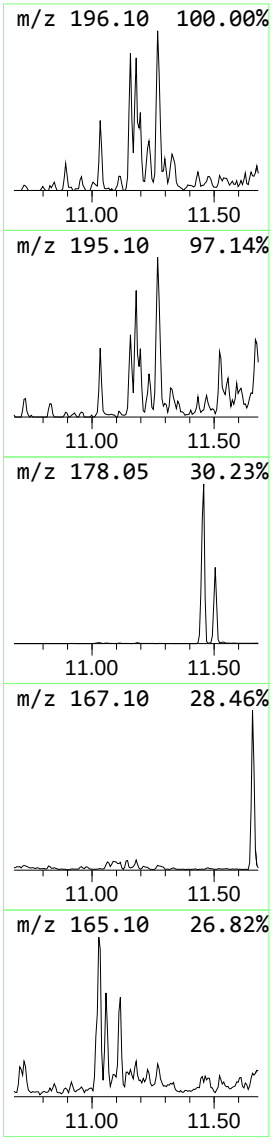
****

Peak Number 4 2-[2-Phenylethenyl]phenol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	3.45 ng	95662	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	47
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

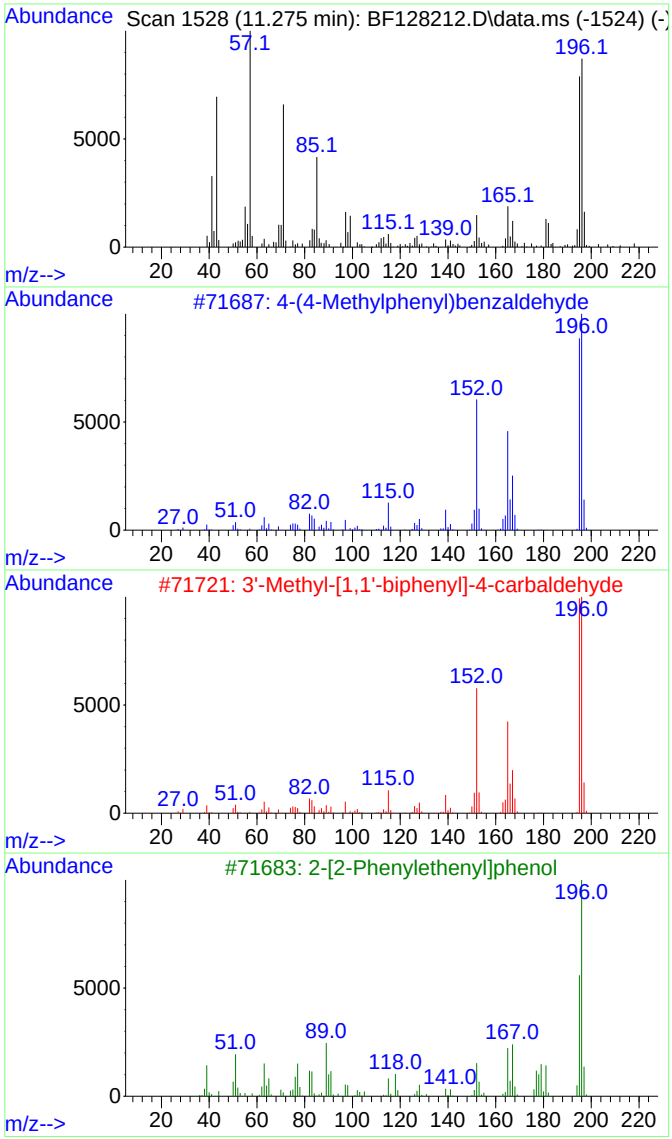
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

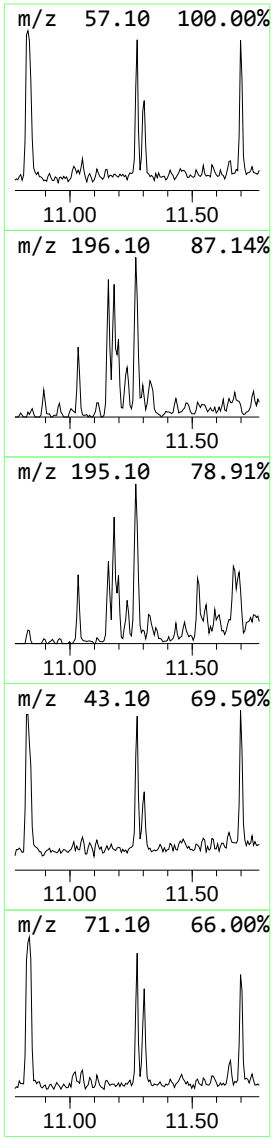
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	4.47 ng	124129	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	91
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	91
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	46
4	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	46
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	45





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Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-051022

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

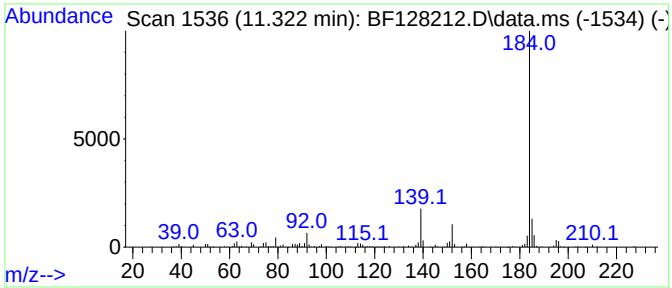
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

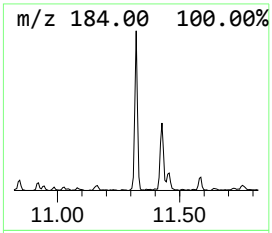
****

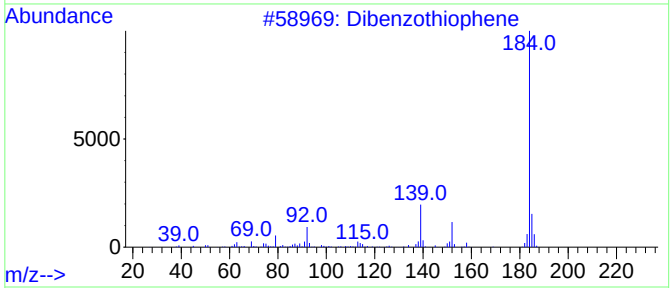
Peak Number 6 Dibenzothiophene Concentration Rank 12

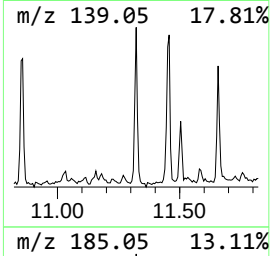
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.322	5.38 ng	149277	Phenanthrene-d10	11.428

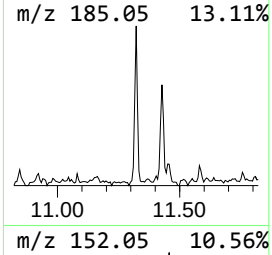
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72

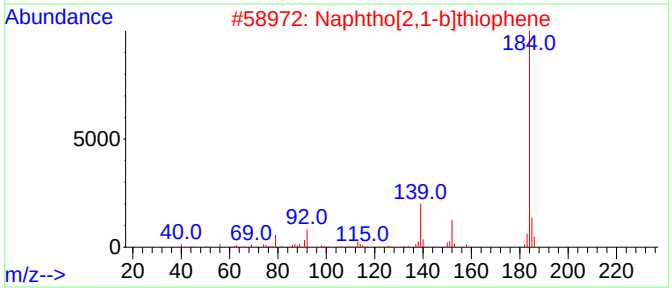


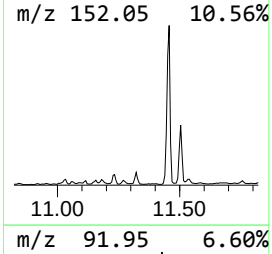


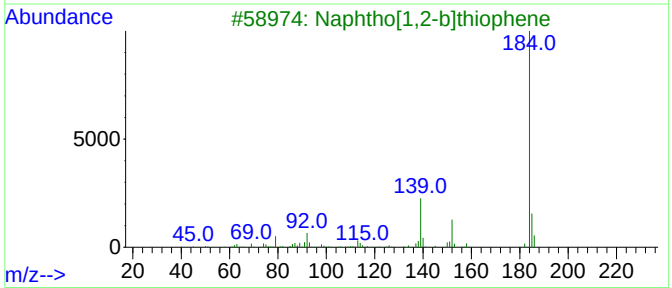


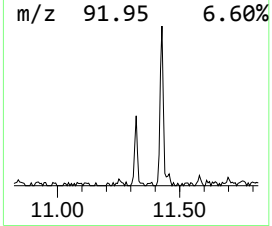












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Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

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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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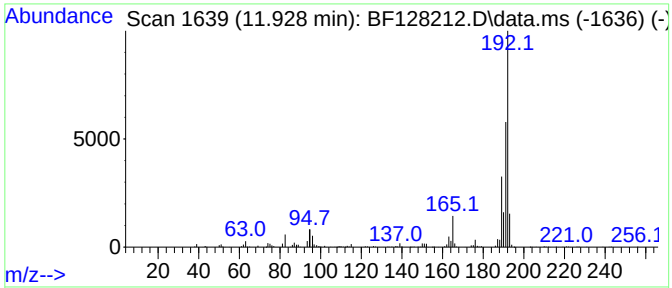
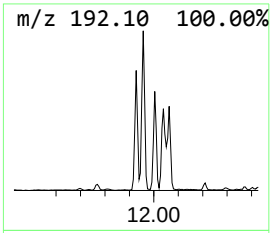
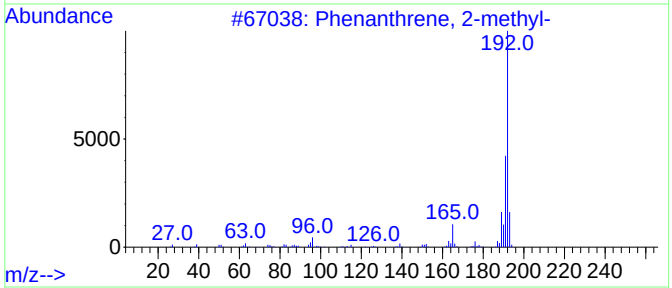
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

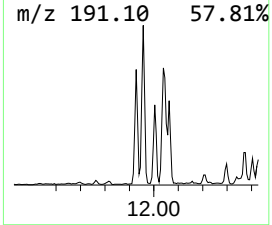
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	10.11 ng	280649	Phenanthrene-d10	11.428

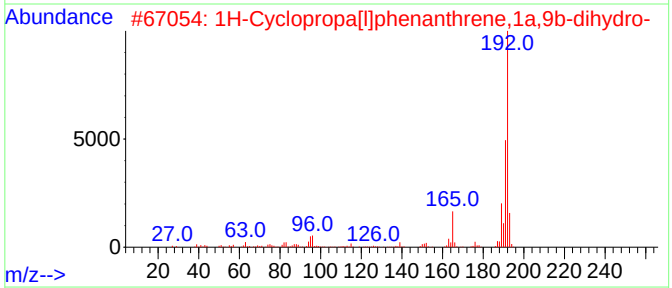
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95

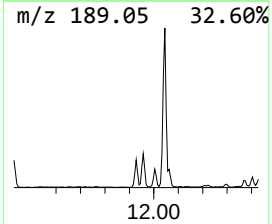


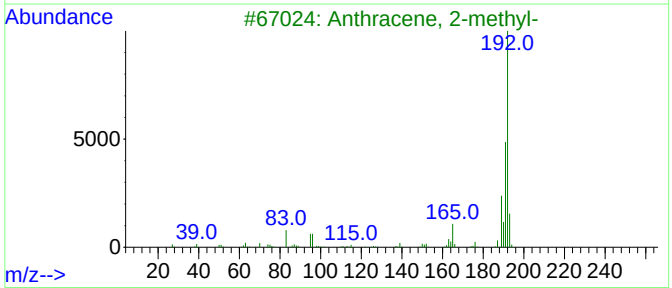


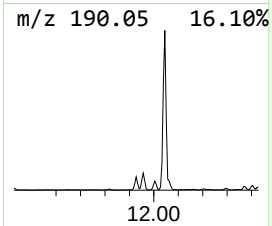


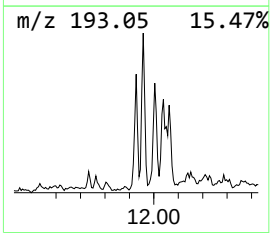












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Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

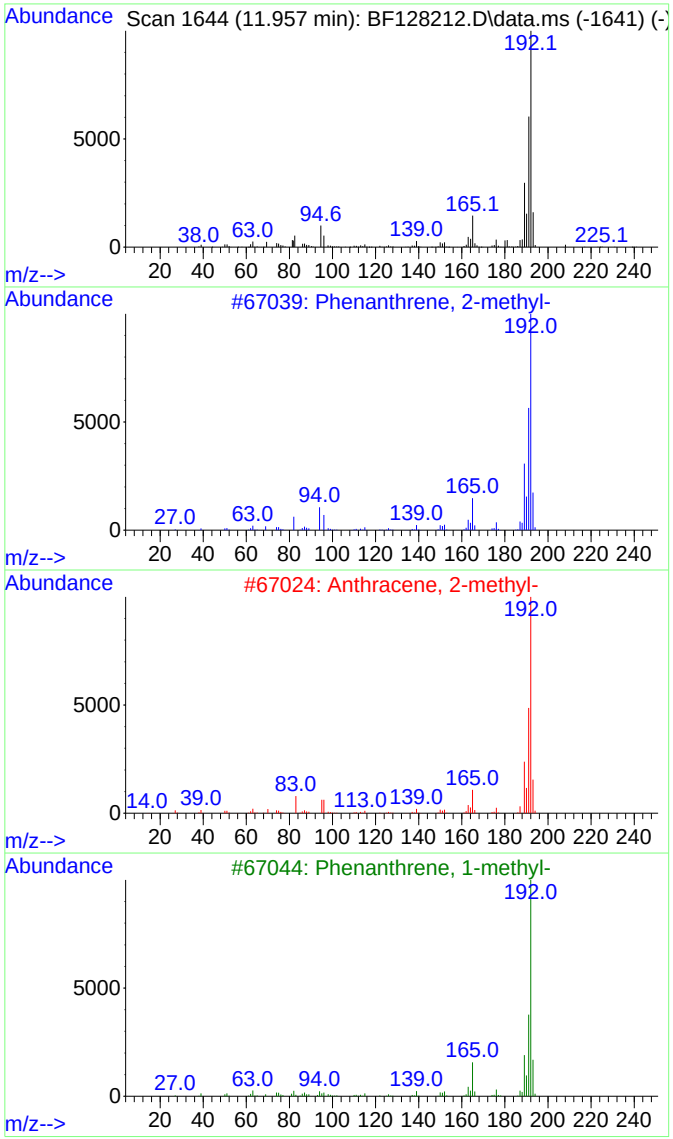
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

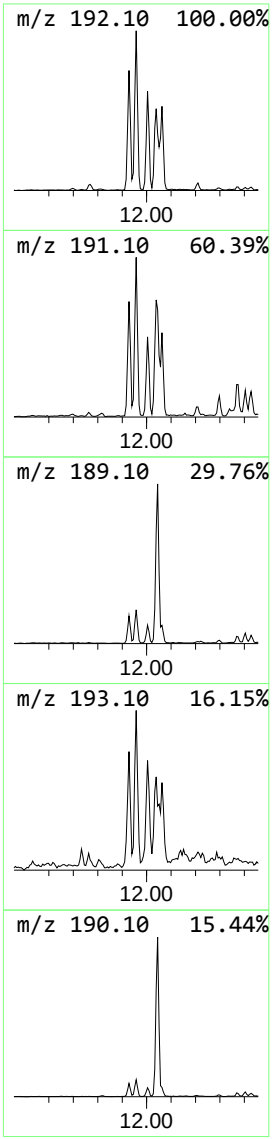
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	14.70 ng	408052	Phenanthrene-d10	11.428

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Misc :
ALS Vial : 23 Sample Multiplier: 1

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

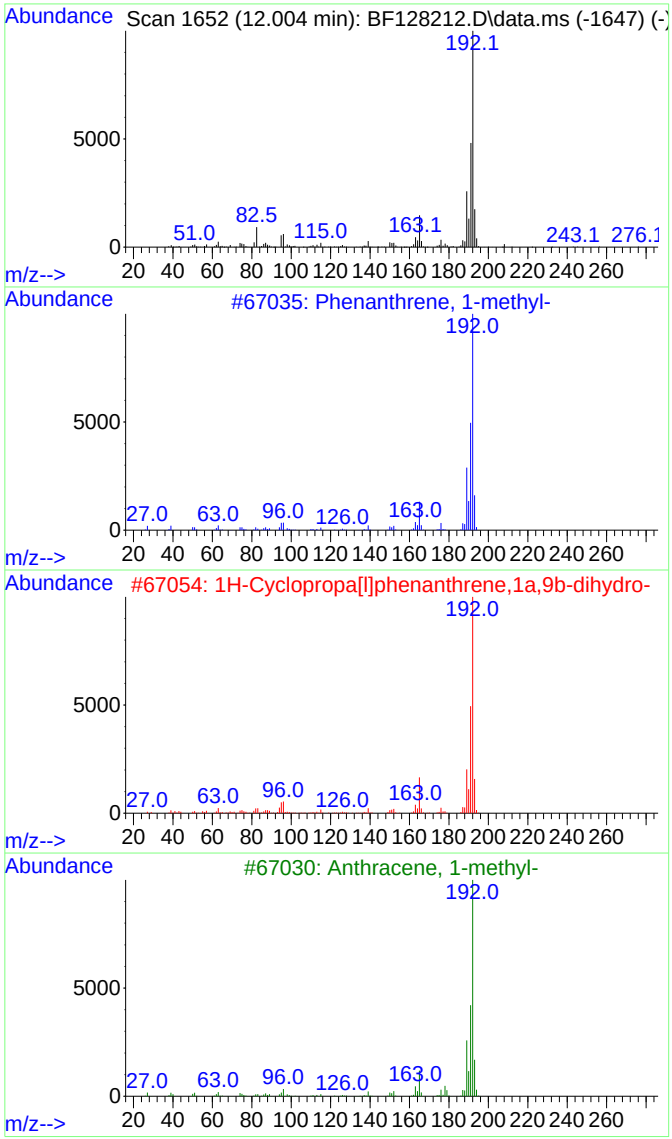
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

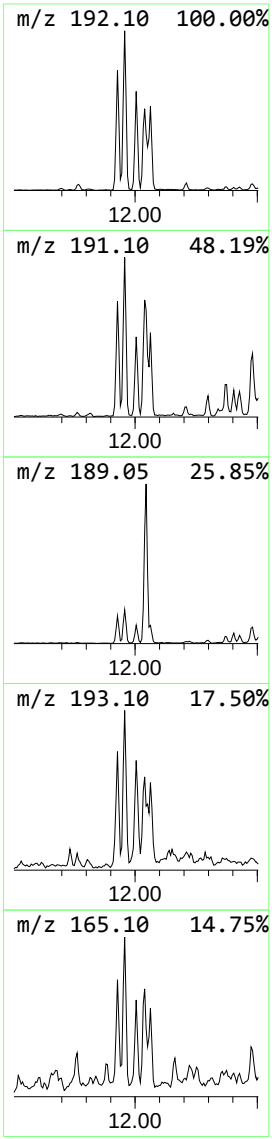
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	9.04 ng	251053	Phenanthrene-d10	11.428

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





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Misc :
ALS Vial : 23 Sample Multiplier: 1

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

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

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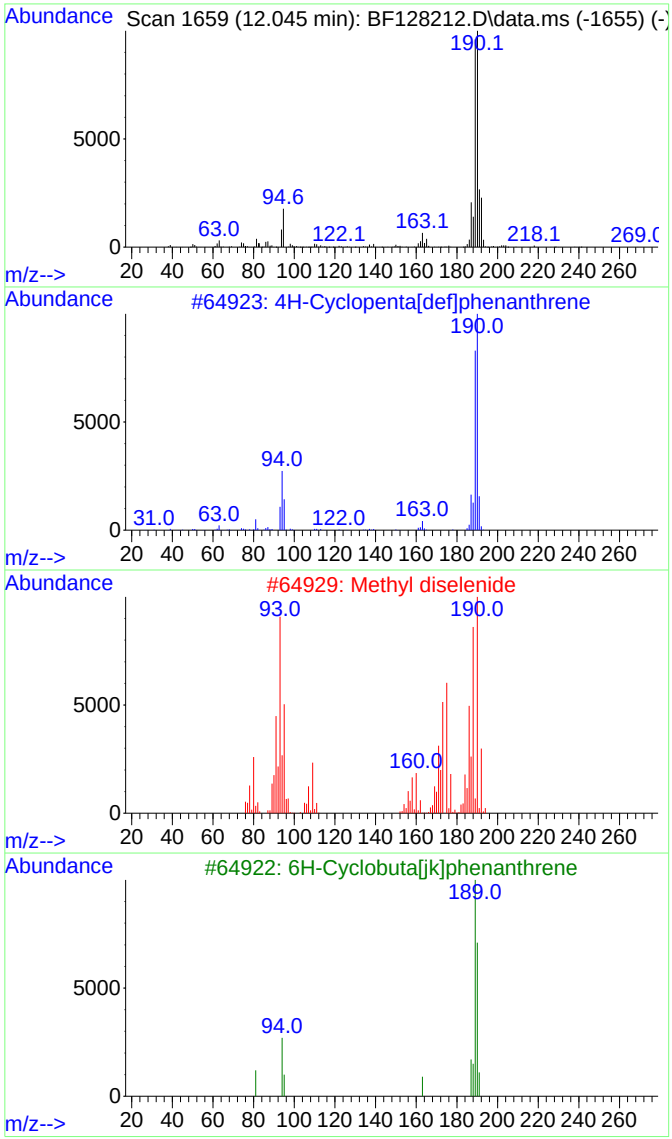
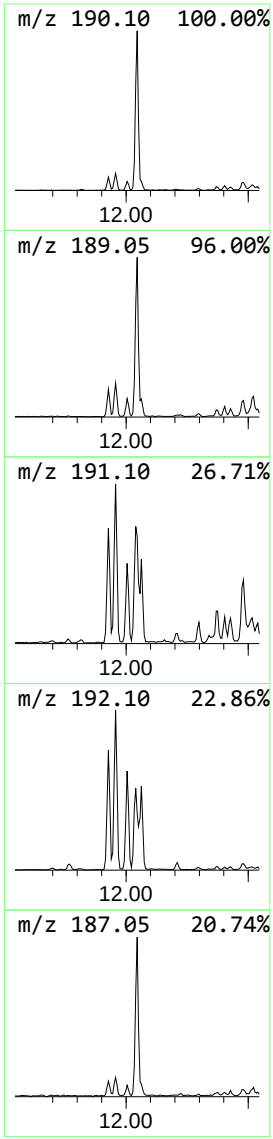
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	28.63 ng	794747	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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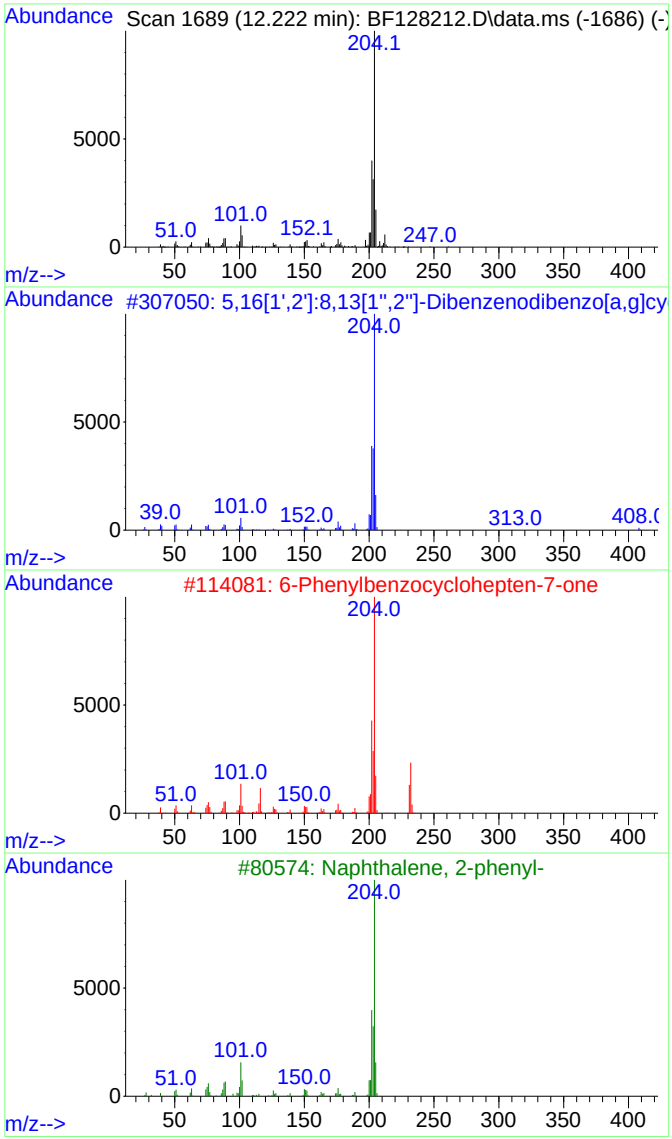
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

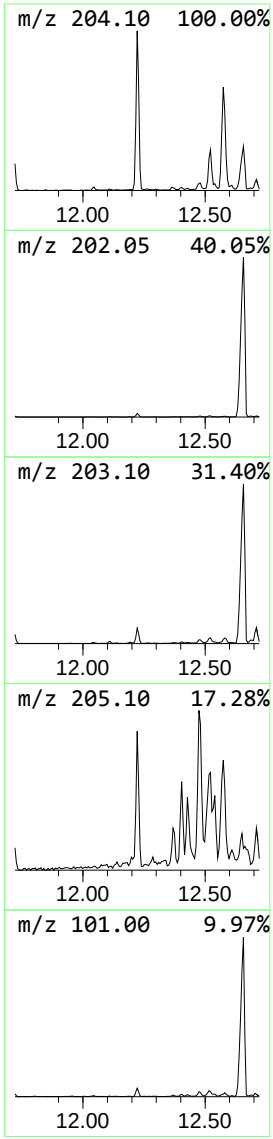
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.222	9.26 ng	256947	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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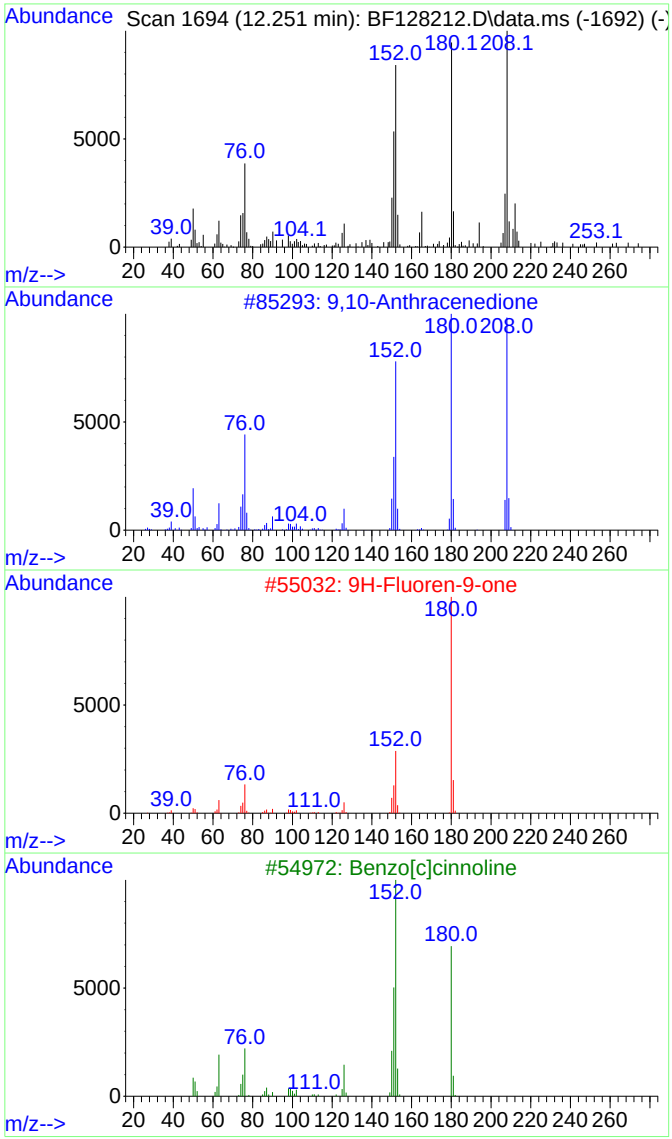
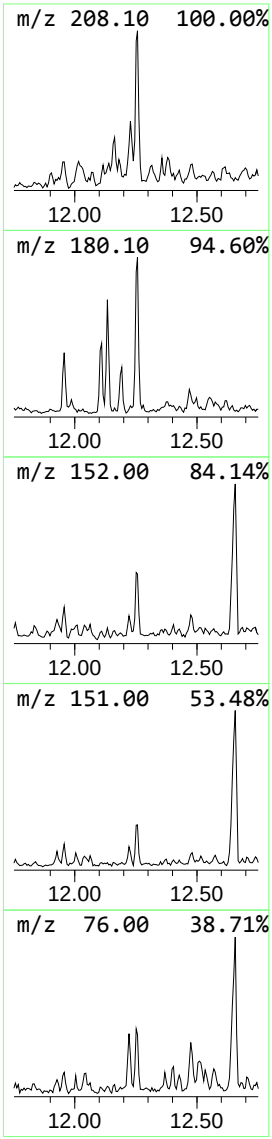
Peak Number 12 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	3.40 ng	94288	Phenanthrene-d10	11.428

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	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	43





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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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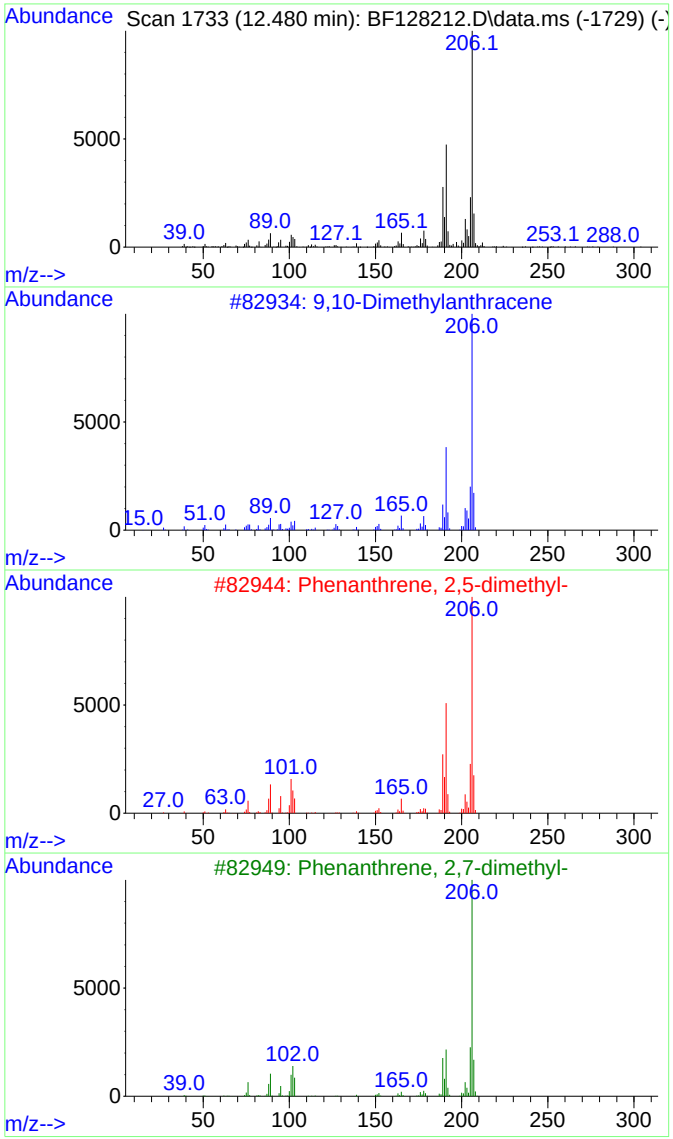
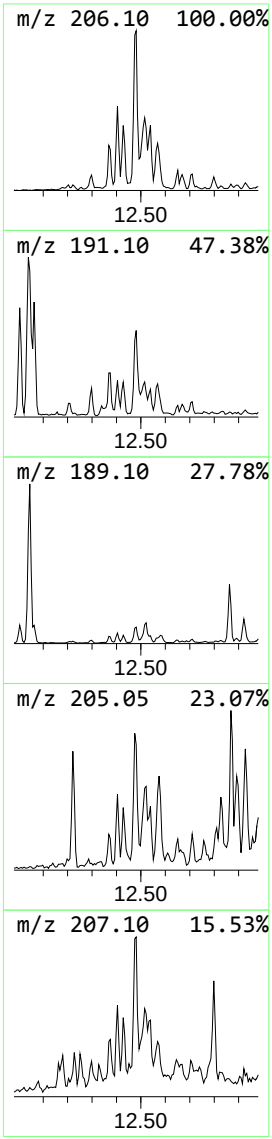
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	10.96 ng	304198	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ALS Vial : 23 Sample Multiplier: 1

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

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

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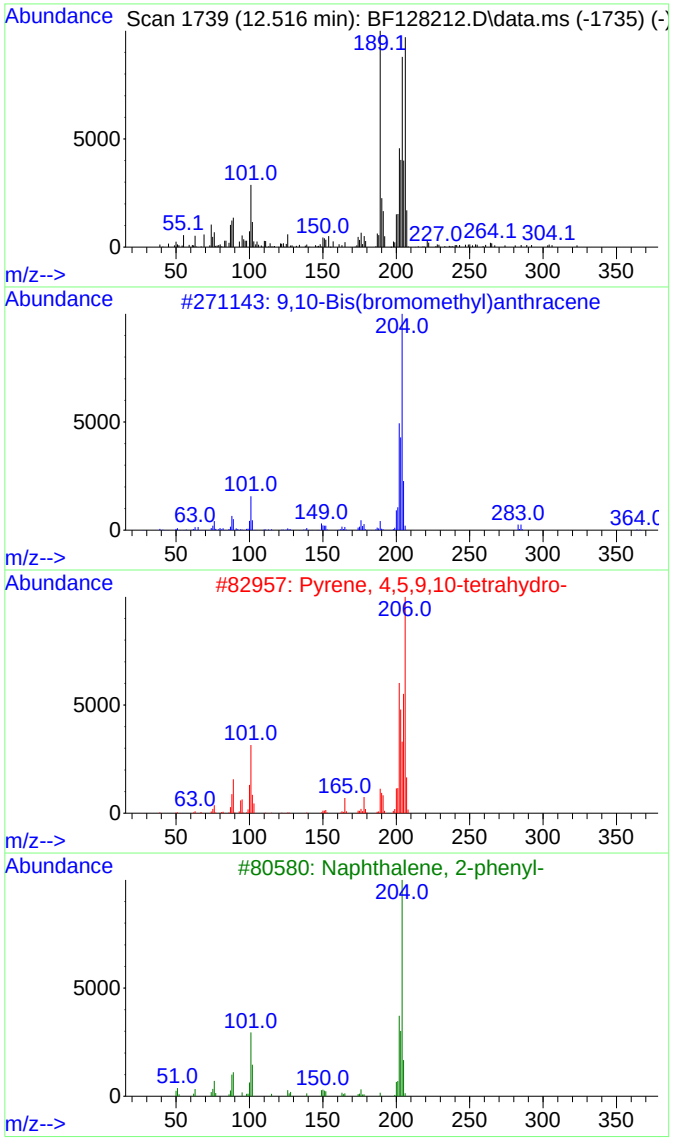
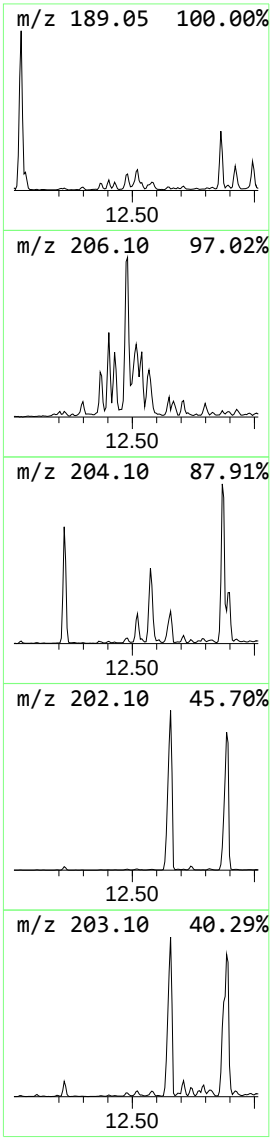
Peak Number 14 unknown12.516 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	9.53 ng	264422	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30





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Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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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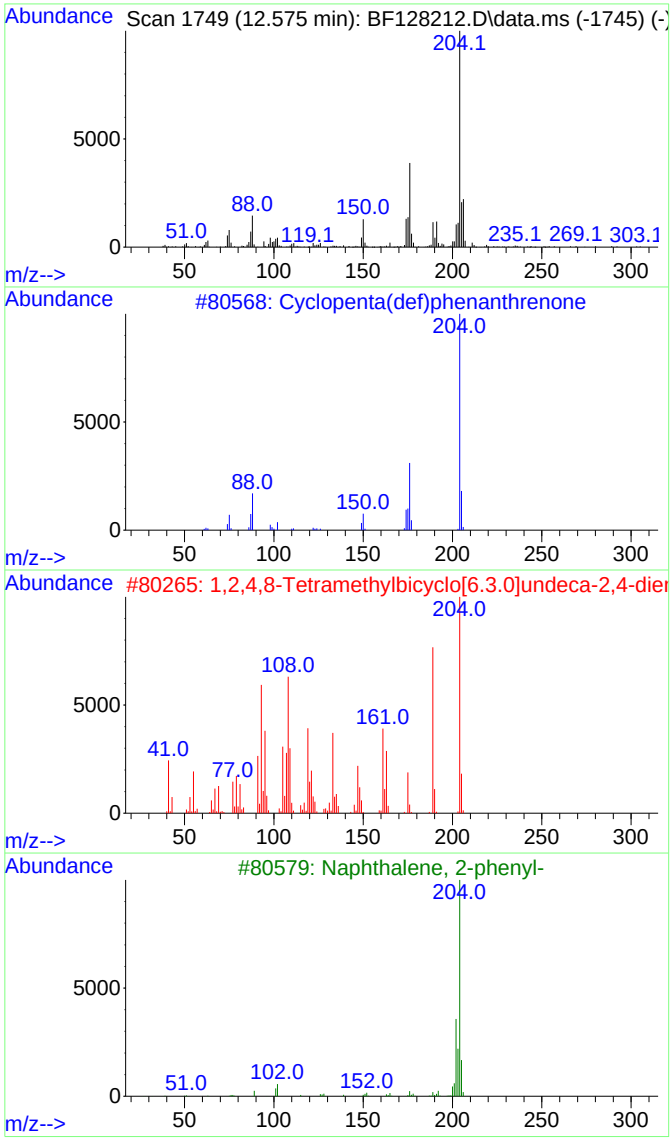
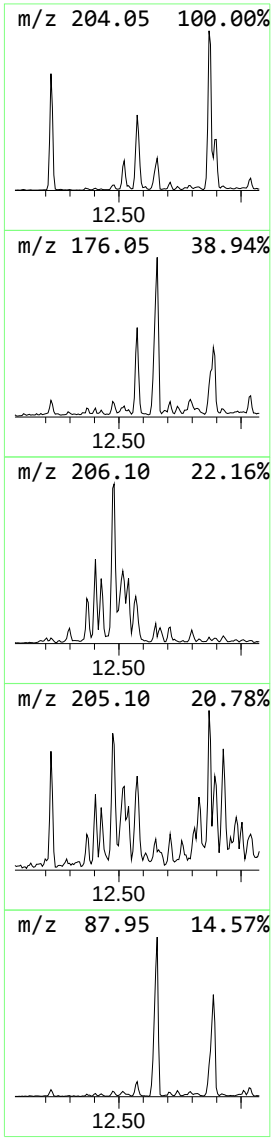
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.575	9.69 ng	269021	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
4	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	43
5	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	38





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Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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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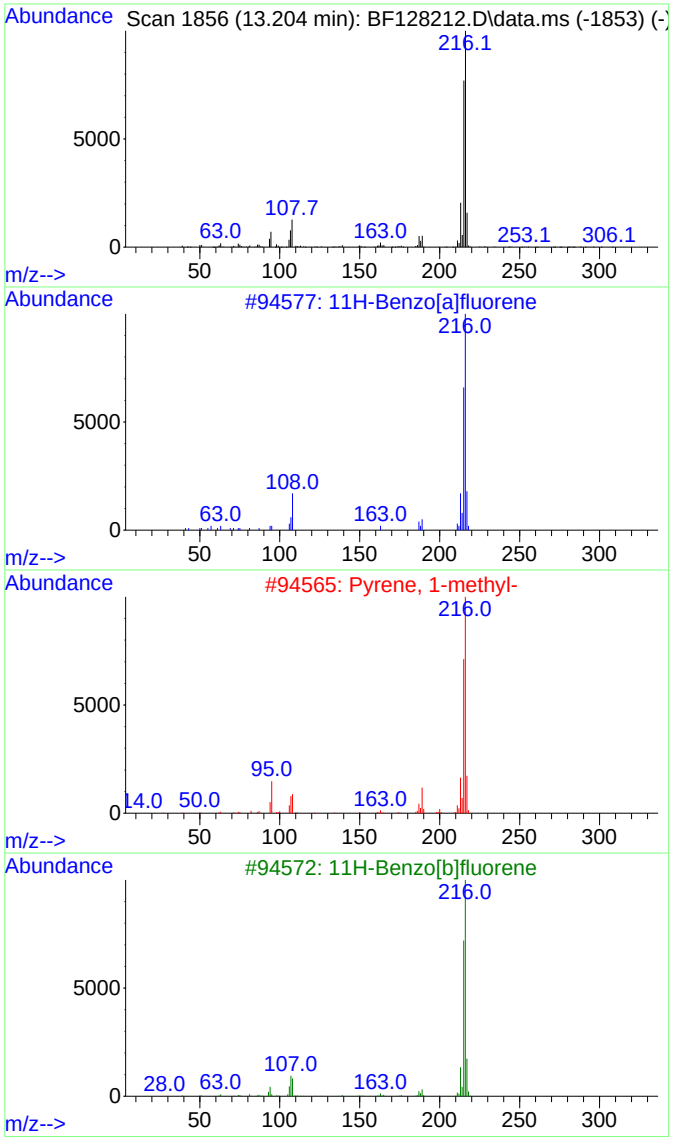
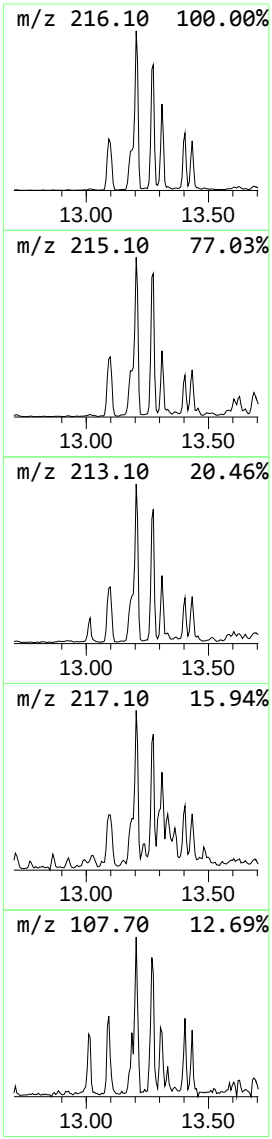
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	4.11 ng	777740	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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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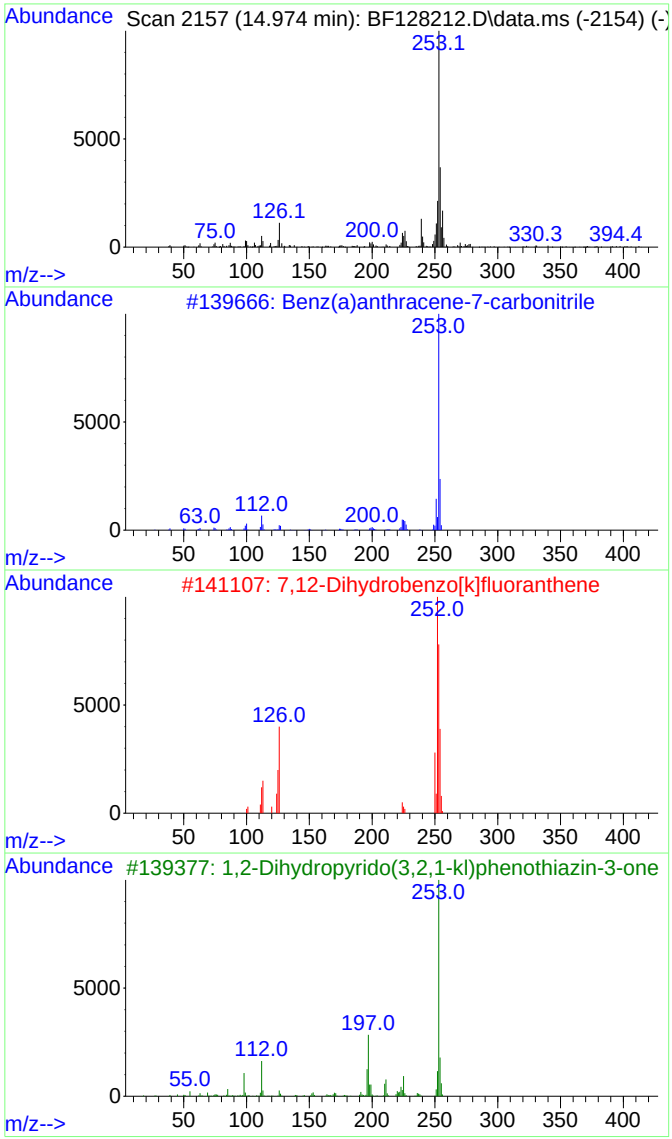
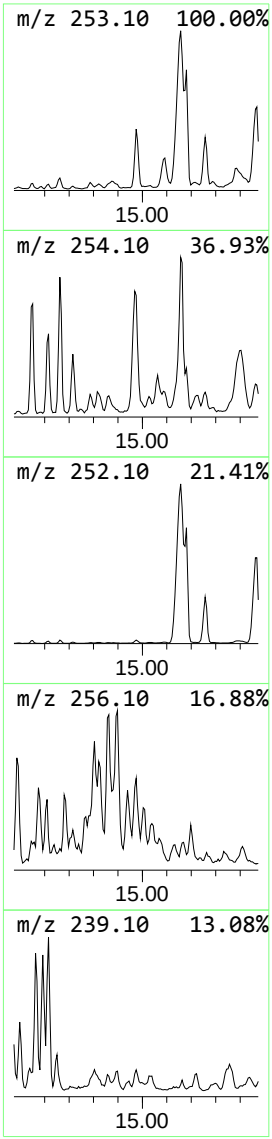
Peak Number 17 Benz(a)anthracene-7-carboni... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.974	8.38 ng	321872	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
3	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	50
4	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	50
5	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	43





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Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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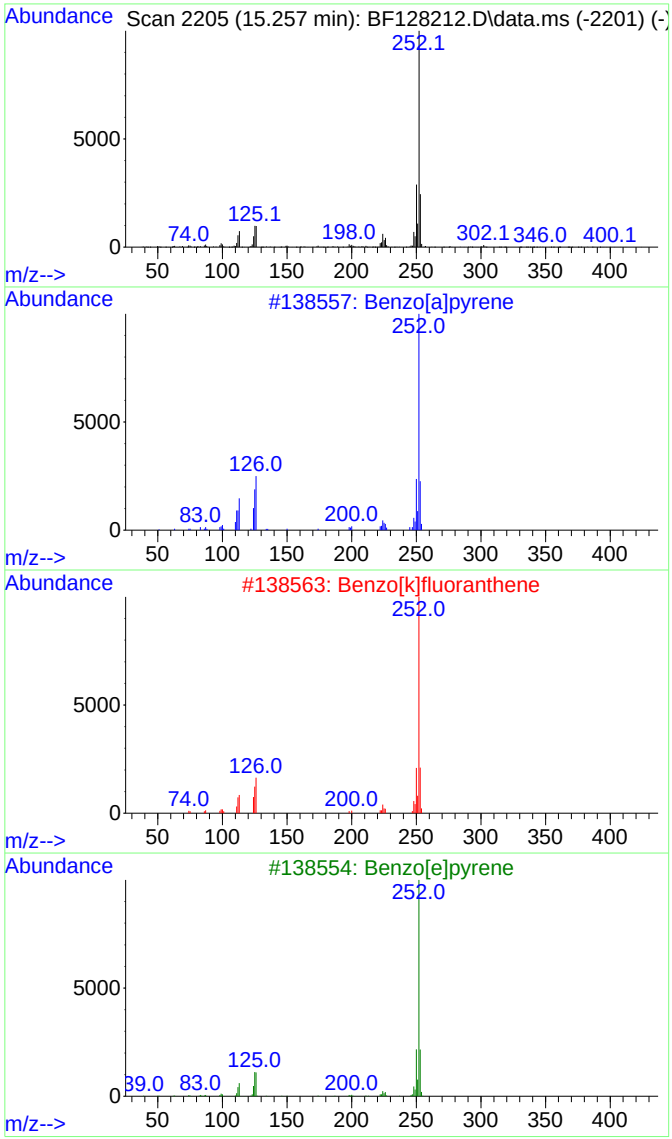
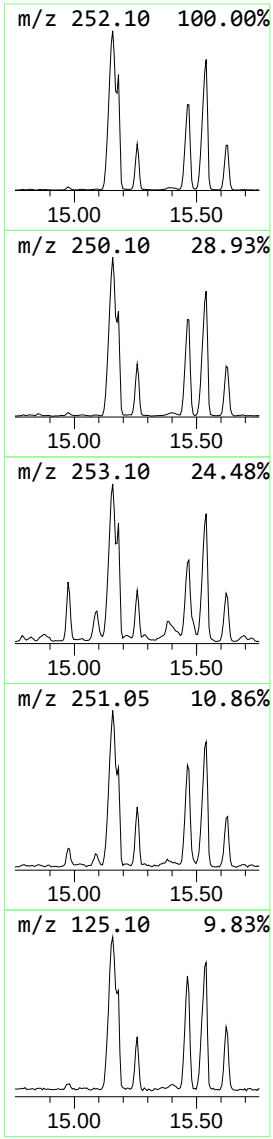
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.257	13.35 ng	512378	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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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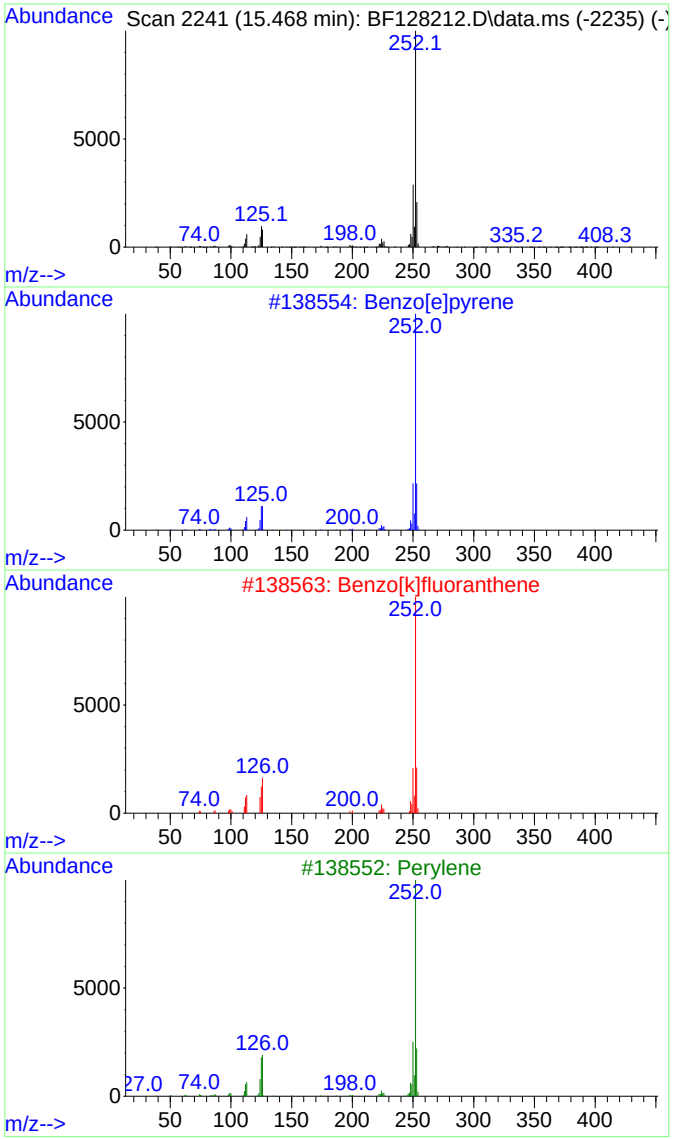
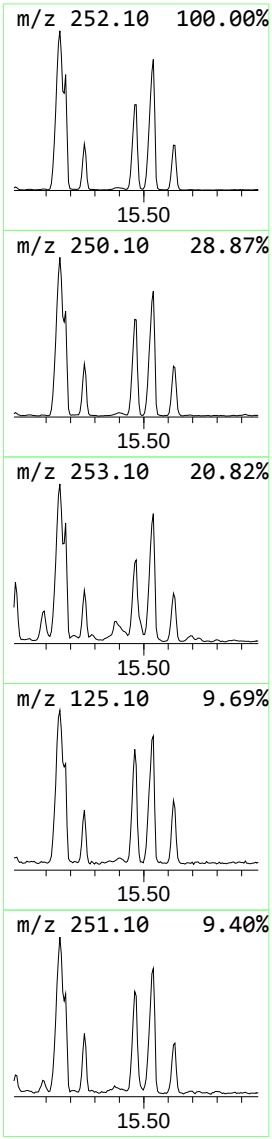
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.469	36.61 ng	1405480	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





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Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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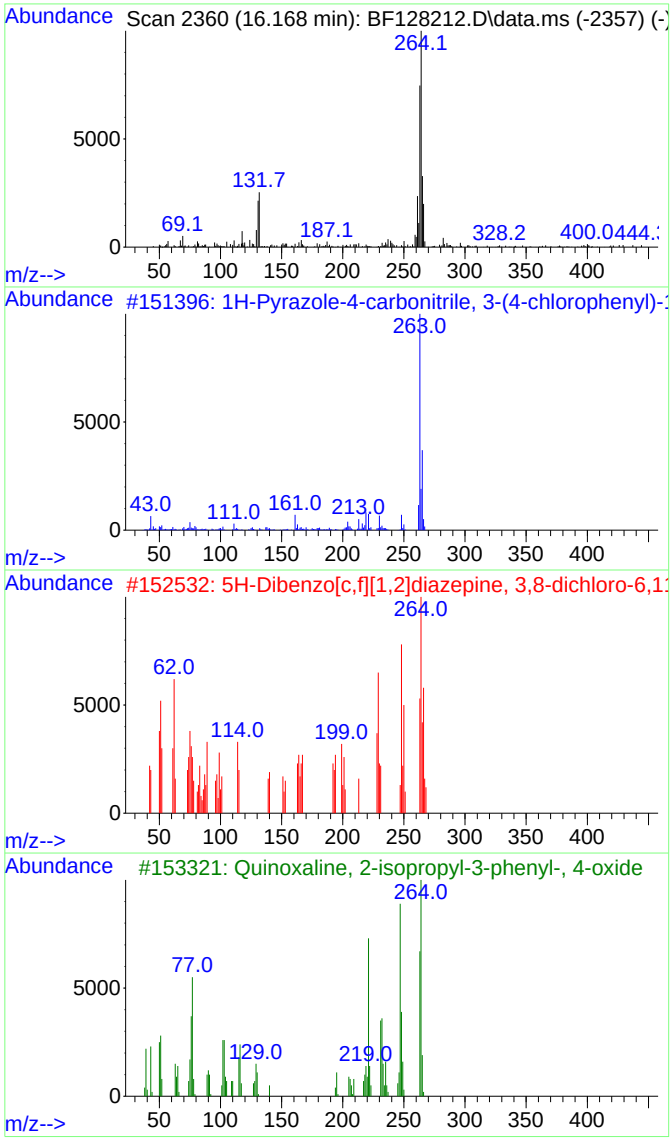
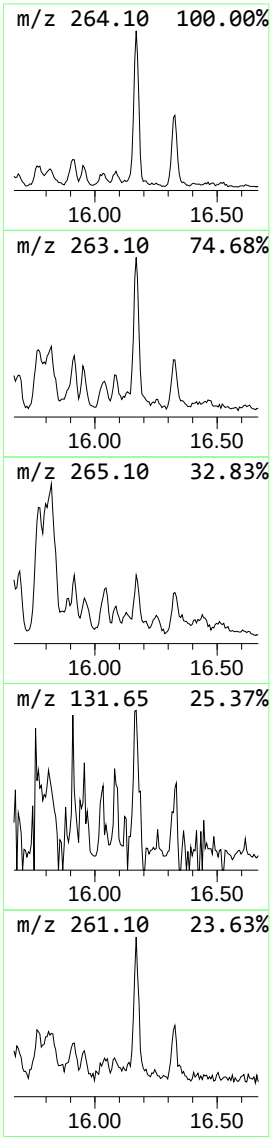
Peak Number 20 unknown16.168 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.168	3.96 ng	151855	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
2	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
3	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	35
4	Phenothiazine, 2-chloro-8-methoxy-	263	C13H10ClNOS	017800-09-8	35
5	2-Bromo-5-fluorobenzyl alcohol, ...	276	C10H14BrFOSi	1000364-22-3	35





Tentatively Identified Compound (LSC) summary

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Data File : BF128212.D
Acq On : 11 May 2022 23:39
Operator : CG\JU
Sample : N2769-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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
Tridecane	10.828	4.4	ng	121431	4	11.428	555215	20.0
9H-Fluorene, 2-...	11.034	5.1	ng	141427	4	11.428	555215	20.0
Naphtho[2,1-b]f...	11.157	3.4	ng	93283	4	11.428	555215	20.0
2-[2-Phenylethe...	11.181	3.5	ng	95662	4	11.428	555215	20.0
4-(4-Methylphen...	11.275	4.5	ng	124129	4	11.428	555215	20.0
Dibenzothiophene	11.322	5.4	ng	149277	4	11.428	555215	20.0
Phenanthrene, 2...	11.928	10.1	ng	280649	4	11.428	555215	20.0
Anthracene, 2-m...	11.957	14.7	ng	408052	4	11.428	555215	20.0
Phenanthrene, 1...	12.004	9.0	ng	251053	4	11.428	555215	20.0
4H-Cyclopenta[d...	12.045	28.6	ng	794747	4	11.428	555215	20.0
5,16[1',2']:8,1...	12.222	9.3	ng	256947	4	11.428	555215	20.0
9,10-Anthracene...	12.251	3.4	ng	94288	4	11.428	555215	20.0
9,10-Dimethylan...	12.480	11.0	ng	304198	4	11.428	555215	20.0
unknown12.516	12.516	9.5	ng	264422	4	11.428	555215	20.0
Cyclopenta(def)...	12.575	9.7	ng	269021	4	11.428	555215	20.0
11H-Benzo[a]flu...	13.204	4.1	ng	777740	5	14.086	3786300	20.0
Benz(a)anthrace...	14.974	8.4	ng	321872	6	15.592	767861	20.0
Benzo[e]pyrene	15.257	13.4	ng	512378	6	15.592	767861	20.0
Perylene	15.469	36.6	ng	1405480	6	15.592	767861	20.0
unknown16.168	16.168	4.0	ng	151855	6	15.592	767861	20.0