LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130350.D
Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-091922

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130350.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.263	536	540	550	rVB	1536692	1491809	12.07%	1.220%
2	6.304	712	717	729	rBV	1407004	1404039	11.36%	1.148%
3	6.657	774	777	784	rVB	541771	444297	3.59%	0.363%
4	7.222	869	873	876	rVB	1039791	847139	6.85%	0.693%
5	7.940	990	995	997	rBV	649324	525352	4.25%	0.430%
6	8.751	1129	1133	1137	rVB	290944	250539	2.03%	0.205%
7	9.016	1174	1178	1181	rBV	1939587	1459219	11.80%	1.194%
8	9.275	1217	1222	1227	rBV	317713	476537	3.86%	0.390%
9	9.351	1232	1235	1238	rBV	627128	577244	4.67%	0.472%
10	9.381	1238	1240	1242	rVB	350114	253370	2.05%	0.207%
11	9.422	1244	1247	1249	rVB2	377131	308428	2.50%	0.252%
12	9.551	1266	1269	1273	rBV	498837	383850	3.11%	0.314%
13	9.692	1286	1293	1295	rBV2	632495	693645	5.61%	0.567%
14	9.722	1295	1298	1302	rVV	823222	719601	5.82%	0.589%
15	9.798	1307	1311	1315	rVB	269148	344927	2.79%	0.282%
16	9.892	1324	1327	1331	rVV	835799	738487	5.97%	0.604%
17	9.934	1331	1334	1336	rVV	439587	331605	2.68%	0.271%
18	10.010	1343	1347	1349	rBV	370115	389360	3.15%	0.318%
19	10.098	1357	1362	1364	rBV2	258051	339973	2.75%	0.278%
20	10.186	1373	1377	1382	rVV4	142959	257524	2.08%	0.211%
21	10.239	1382	1386	1388	rVV2	1052180	1022943	8.28%	0.837%
22	10.304	1392	1397	1398	rVV2	315928	393198	3.18%	0.322%
23	10.322	1398	1400	1402	rVV3	294851	258582	2.09%	0.212%
24	10.351	1402	1405	1407	rVV	571942	556918	4.51%	0.456%
25	10.392	1410	1412	1417	rVB2	498719	488808	3.95%	0.400%
26	10.481	1421	1427	1430	rVV	1575076	1571277	12.71%	1.285%
27	10.516	1430	1433	1438	rVB3	166687	273998	2.22%	0.224%
28	10.616	1445	1450	1455	rVB2	720274	904664	7.32%	0.740%
29	10.786	1474	1479	1481	rBV2	385993	495848	4.01%	0.406%
30	10.810	1481	1483	1486	rVV2	356783	355287	2.87%	0.291%
31	10.869	1490	1493	1496	rVB3	208095	235781	1.91%	0.193%
32	10.916	1496	1501	1502	rBV2	316725	425539	3.44%	0.348%
33	10.933	1502	1504	1510	rVV3	400206	501900	4.06%	0.411%
34	10.981	1510	1512	1516	rVV2	307973	273042	2.21%	0.223%
35	11.022	1516	1519	1523	rVV2	343694	439171	3.55%	0.359%
36	11.075	1525	1528	1533	rVB2	676164	905135	7.32%	0.740%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
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Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.175	1542	1545	1546	rBV	434469	400302	3.24%	0.327%
38	11.216	1546	1552	1554	rVV	6622935	7748021	62.68%	6.337%
39	11.257	1554	1559	1561	rVB	2854492	2286247	18.49%	1.870%
40	11.286	1561	1564	1567	rBV2	239797	303090	2.45%	0.248%
41	11.428	1586	1588	1593	rVB2	227059	257140	2.08%	0.210%
42	11.475	1593	1596	1598	rBV2	274659	235919	1.91%	0.193%
43	11.504	1598	1601	1607	rVB3	347430	369172	2.99%	0.302%
44	11.675	1627	1630	1633	rBV	1357238	1368767	11.07%	1.120%
45	11.704	1633	1635	1639	rVB	1916483	1689270	13.67%	1.382%
46	11.751	1639	1643	1646	rBV	908803	835591	6.76%	0.683%
47	11.792	1646	1650	1652	rVV	2137768	2432775	19.68%	1.990%
48	11.810	1652	1653	1658	rVB	1186668	746554	6.04%	0.611%
49	11.975	1678	1681	1683	rVV	895762	814078	6.59%	0.666%
50	11.998	1683	1685	1688	rVB	641124	543406	4.40%	0.444%
51	12.122	1700	1706	1708	rBV2	336717	453320	3.67%	0.371%
52	12.151	1708	1711	1713	rVV	407489	292605	2.37%	0.239%
53	12.175	1713	1715	1719	rVB	344502	282604	2.29%	0.231%
54	12.228	1720	1724	1727	rBV	909432	1117080	9.04%	0.914%
55	12.263	1727	1730	1733	rVV2	523244	743597	6.02%	0.608%
56	12.322	1736	1740	1745	rBV2	567506	704445	5.70%	0.576%
57	12.410	1747	1755	1757	rBV	8253024	11819894	95.62%	9.668%
58	12.433	1757	1759	1761	rVV2	278968	282099	2.28%	0.231%
59	12.533	1773	1776	1779	rBV	599652	569235	4.60%	0.466%
60	12.639	1786	1794	1796	rBV3	7400511	12361501	100.00%	10.111%
61	12.669	1796	1799	1803	rVB2	634527	747811	6.05%	0.612%
62	12.733	1806	1810	1812	rBV	794555	772694	6.25%	0.632%
63	12.763	1812	1815	1821	rVB2	2307509	2409071	19.49%	1.970%
64	12.839	1821	1828	1831	rBV3	861635	1416645	11.46%	1.159%
65	12.922	1839	1842	1843	rBV2	616961	635116	5.14%	0.519%
66	12.945	1843	1846	1849	rVB	1692967	1775897	14.37%	1.453%
67	13.010	1849	1857	1860	rBV	1282216	1608110	13.01%	1.315%
68	13.045	1860	1863	1866	rBV2	1201231	1363627	11.03%	1.115%
69	13.075	1866	1868	1871	rVB	273346	247685	2.00%	0.203%
70	13.104	1871	1873	1876	rBV	254258	238863	1.93%	0.195%
71	13.139	1876	1879	1881	rVB	565693	437544	3.54%	0.358%
72	13.169	1881	1884	1887	rBV2	697557	588474	4.76%	0.481%
73	13.427	1925	1928	1929	rBV	264439	257981	2.09%	0.211%
74	13.451	1929	1932	1937	rVV	763575	804679	6.51%	0.658%
75	13.563	1947	1951	1953	rVV	897680	1000418	8.09%	0.818%
76	13.592	1953	1956	1958	rVV	906027	909366	7.36%	0.744%

LSC Area Percent Report

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Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.616	1958	1960	1965	rVV2	783079	1224198	9.90%	1.001%
78	13.663	1965	1968	1972	rVB	866159	882907	7.14%	0.722%
79	13.816	1987	1994	1997	rBV	4416523	7252311	58.67%	5.932%
80	13.857	1997	2001	2005	rVB	4356044	4991939	40.38%	4.083%
81	13.922	2010	2012	2015	rVV	812761	647114	5.23%	0.529%
82	14.045	2031	2033	2035	rVB	444598	319137	2.58%	0.261%
83	14.163	2050	2053	2055	rBV2	317582	308648	2.50%	0.252%
84	14.204	2055	2060	2062	rVV	980748	1125867	9.11%	0.921%
85	14.233	2062	2065	2068	rVV	540185	496729	4.02%	0.406%
86	14.292	2072	2075	2078	rVV2	581045	612955	4.96%	0.501%
87	14.322	2078	2080	2082	rVV	513340	488521	3.95%	0.400%
88	14.345	2082	2084	2087	rVB2	451711	385681	3.12%	0.315%
89	14.504	2108	2111	2113	rBV	358915	374799	3.03%	0.307%
90	14.580	2121	2124	2127	rBV4	200433	345025	2.79%	0.282%
91	14.839	2161	2168	2170	rBV	2773340	5206786	42.12%	4.259%
92	14.927	2180	2183	2185	rVB	690223	663729	5.37%	0.543%
93	15.110	2209	2214	2219	rVB	1506898	2063239	16.69%	1.688%
94	15.174	2219	2225	2228	rVB	2724666	3472671	28.09%	2.840%
95	15.216	2229	2232	2234	rBV2	357630	402643	3.26%	0.329%
96	15.251	2234	2238	2243	rVB2	883759	1177815	9.53%	0.963%
97	16.568	2455	2462	2467	rVB2	1083933	2082882	16.85%	1.704%
98	16.710	2482	2486	2491	rBV	222031	428017	3.46%	0.350%
99	16.768	2492	2496	2501	rVB3	236019	389718	3.15%	0.319%
100	16.974	2524	2531	2545	rVB	737559	1707711	13.81%	1.397%

Sum of corrected areas: 122260771

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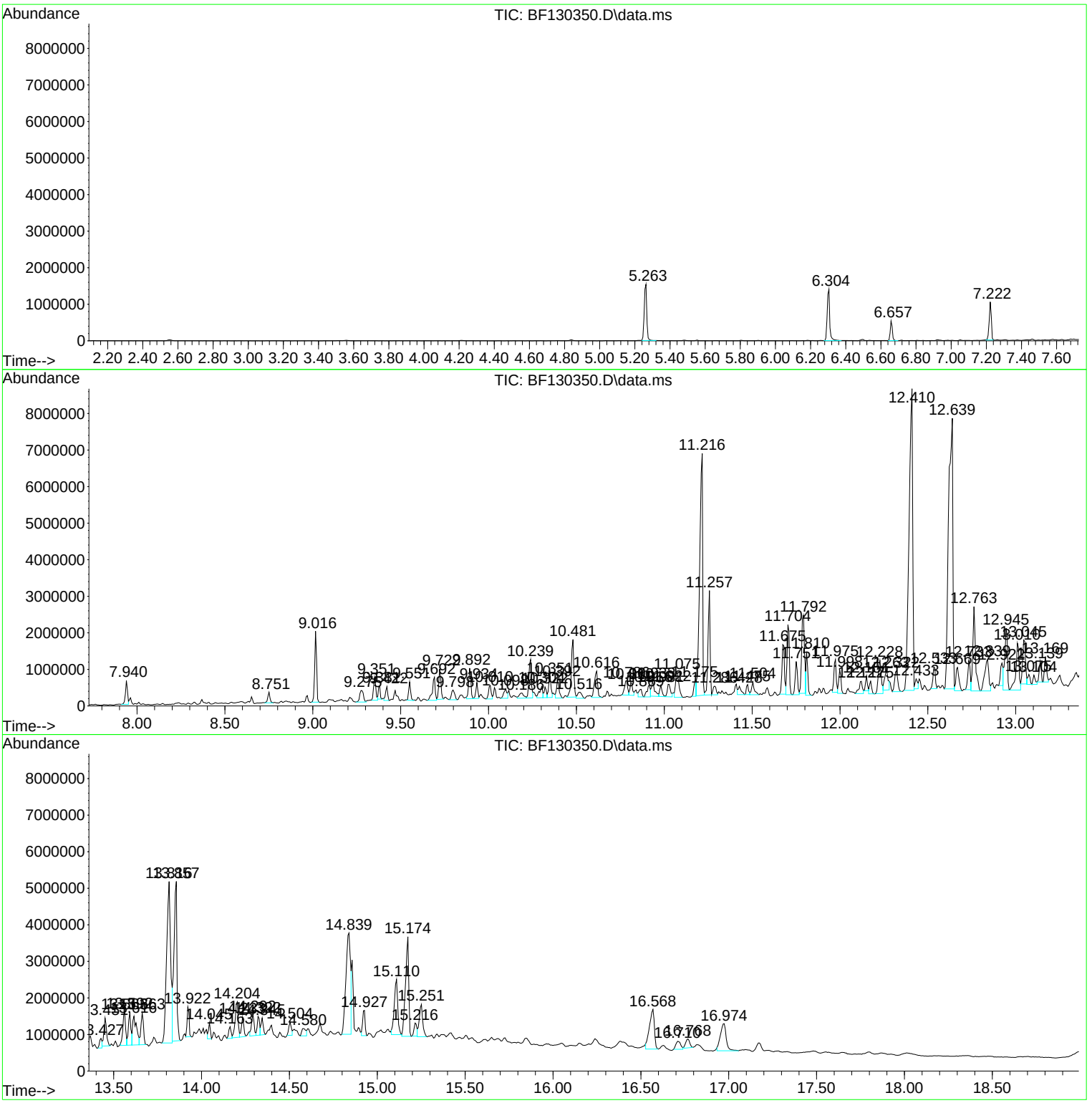
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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\BF092022\
Data File : BF130350.D
Acq On : 20 Sep 2022 18:23
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Instrument :
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OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

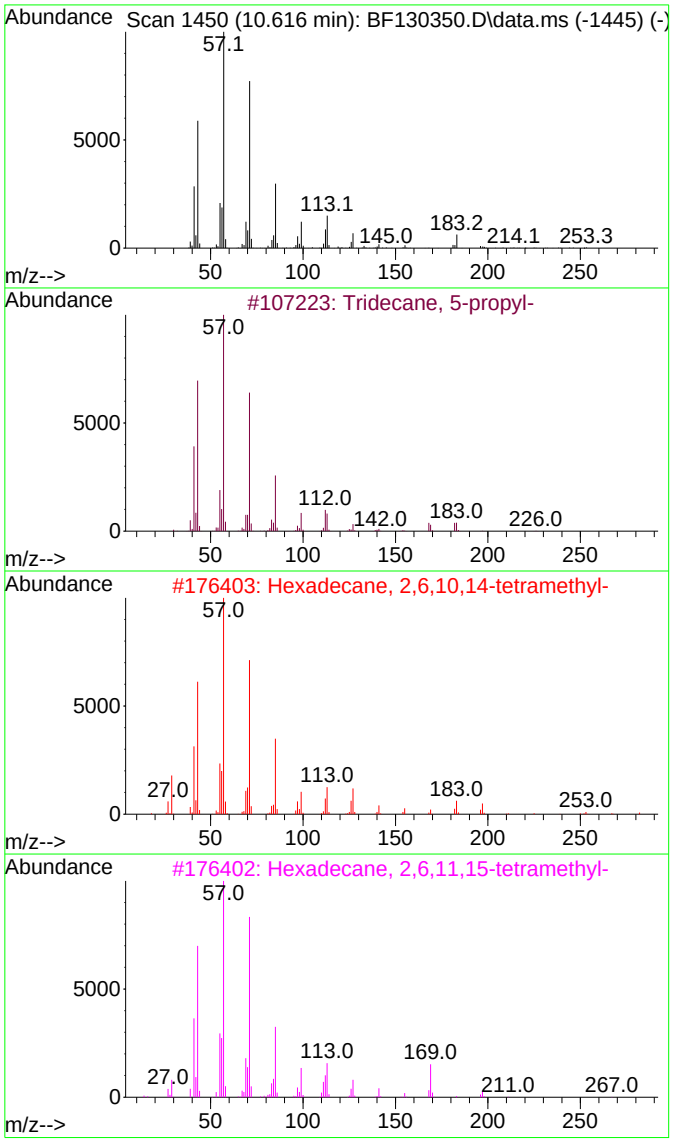
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

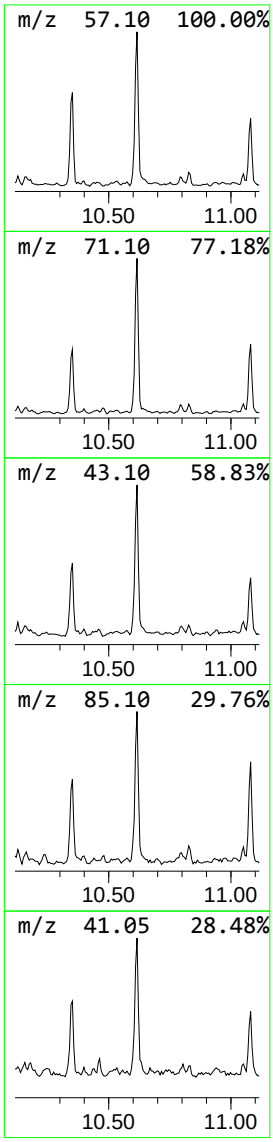
****

Peak Number 1 Tridecane, 5-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	45.20 ng	904664	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	94
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	90
4	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	90
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130350.D
Acq On : 20 Sep 2022 18:23
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

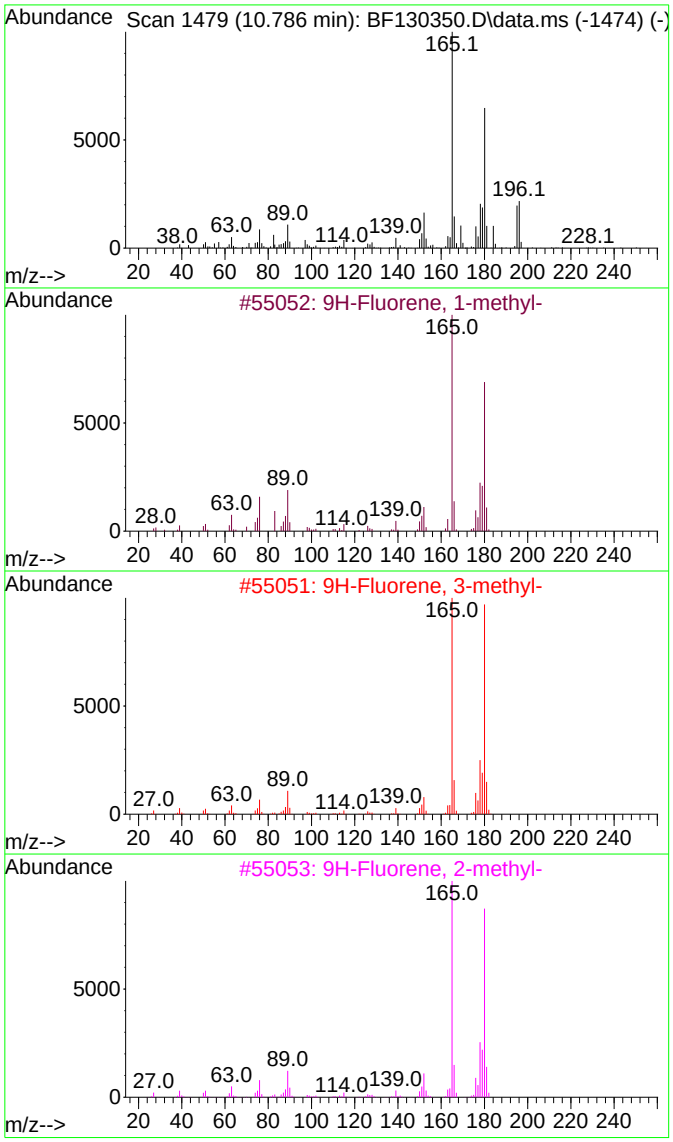
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

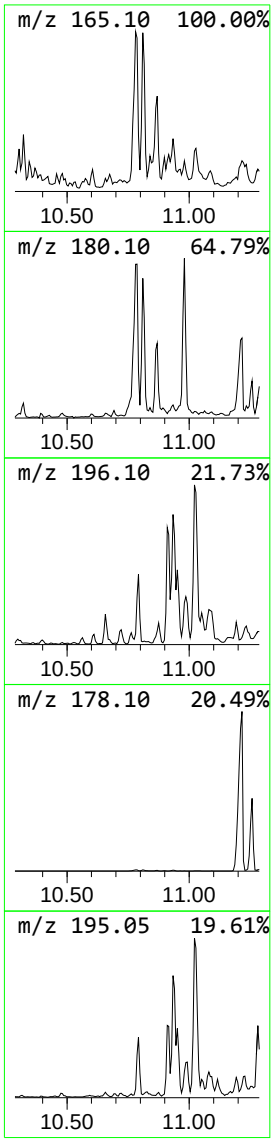
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.786	24.77 ng	495848	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	78
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130350.D
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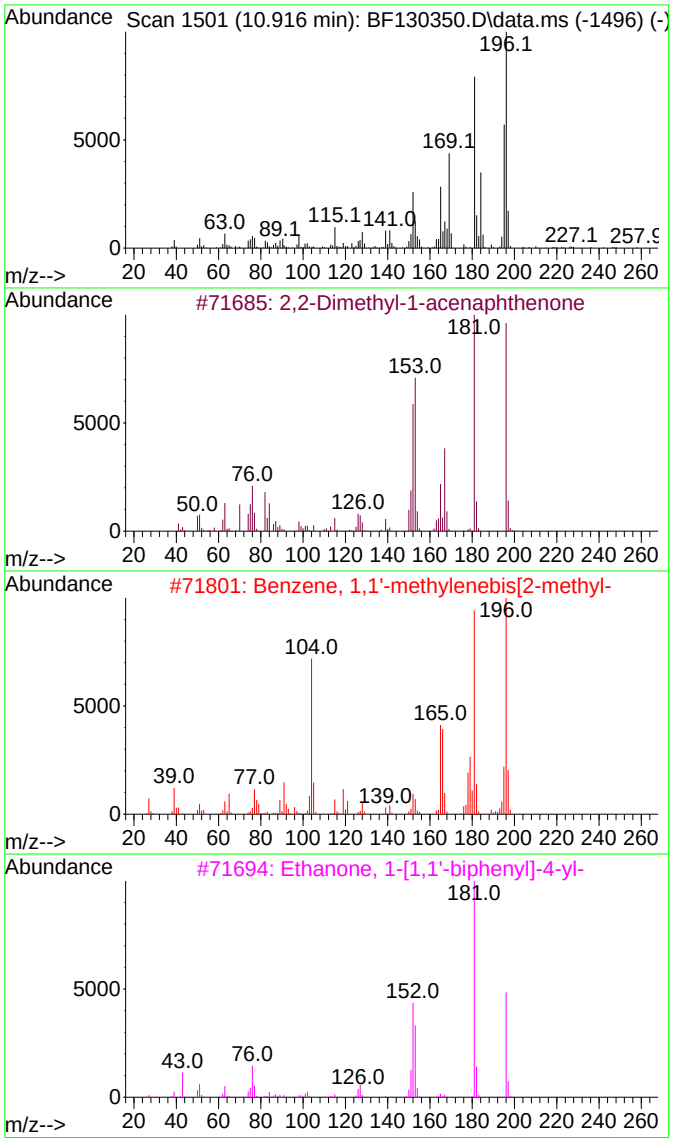
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

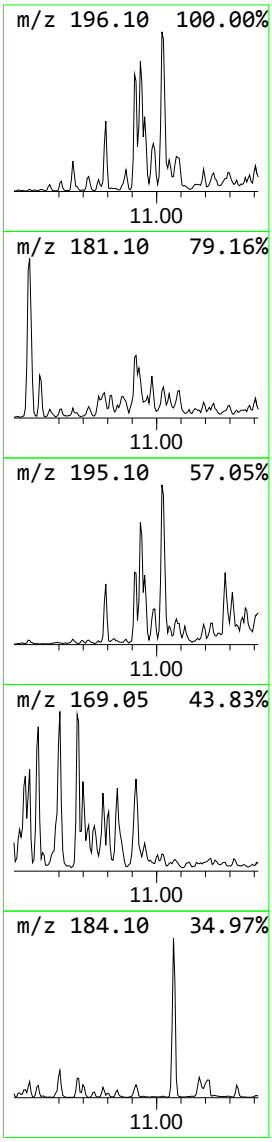
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,2-Dimethyl-1-acenaphthenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.916	21.26 ng	425539	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	60
2	Benzene, 1,1'-methylenebis[2-met...	196	C15H16	001634-74-8	52
3	Ethanone, 1-[1,1'-biphenyl]-4-yl-	196	C14H12O	000092-91-1	46
4	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	43
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130350.D
Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

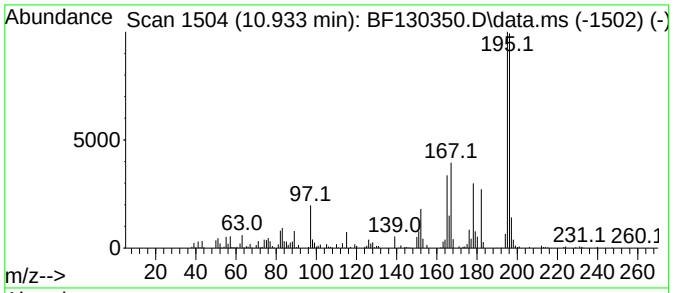
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

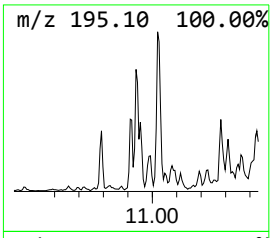
****

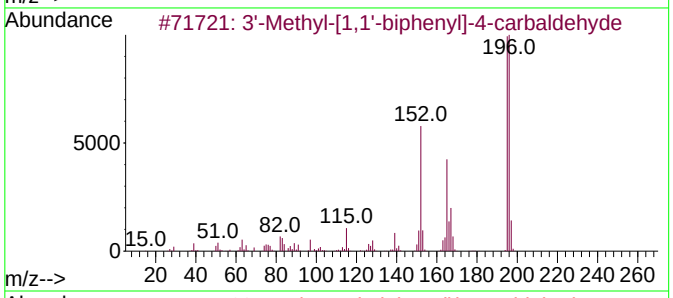
Peak Number 4 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 15

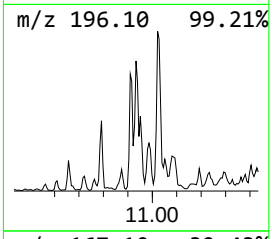
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.934	25.08 ng	501900	Phenanthrene-d10	11.175

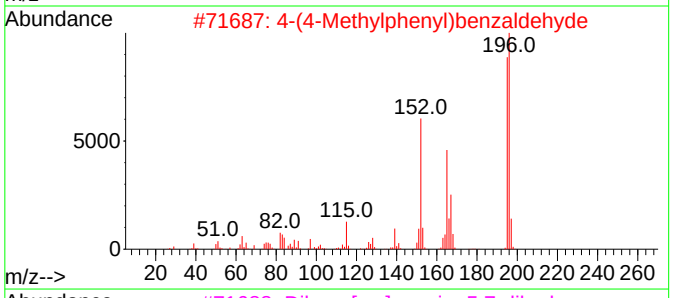
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	64
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	58
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	50
4	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	45

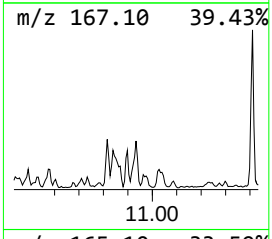


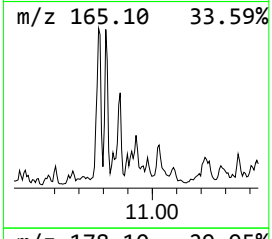


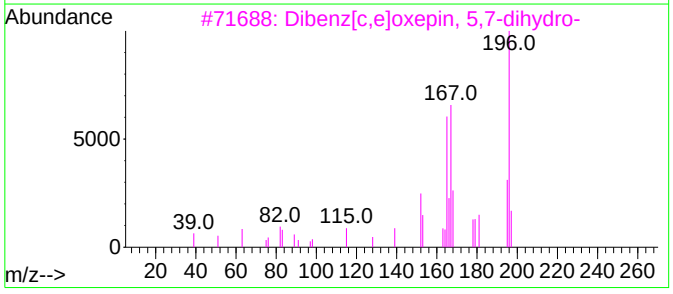


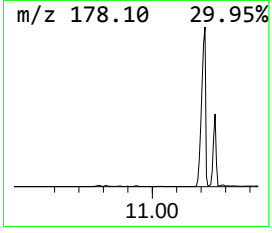












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Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-091922

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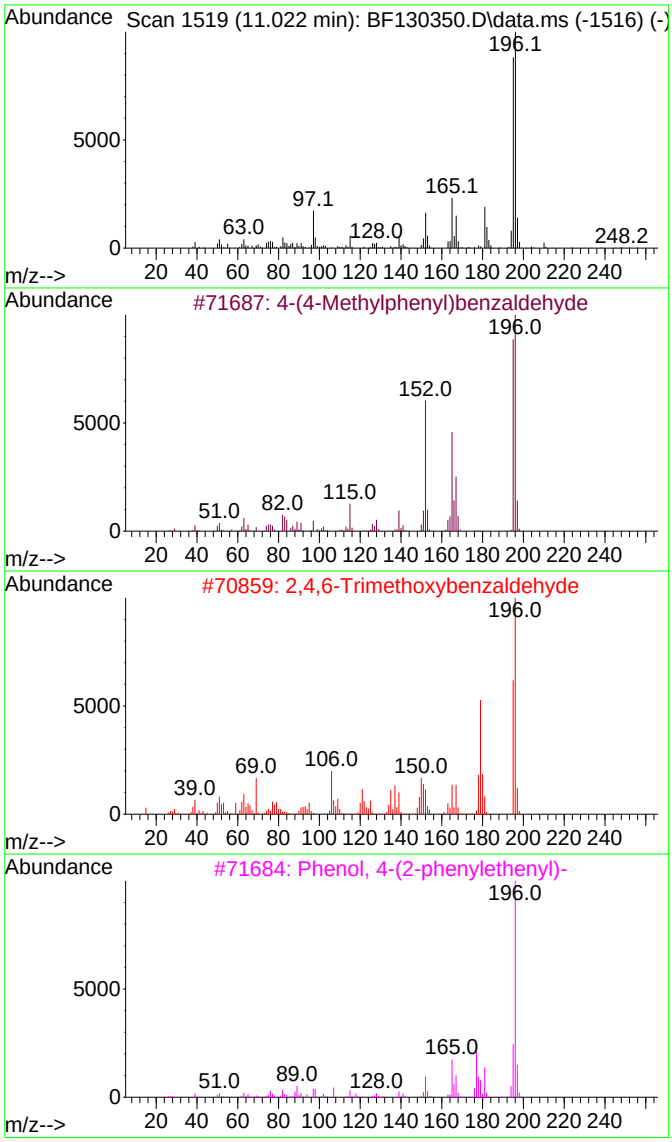
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

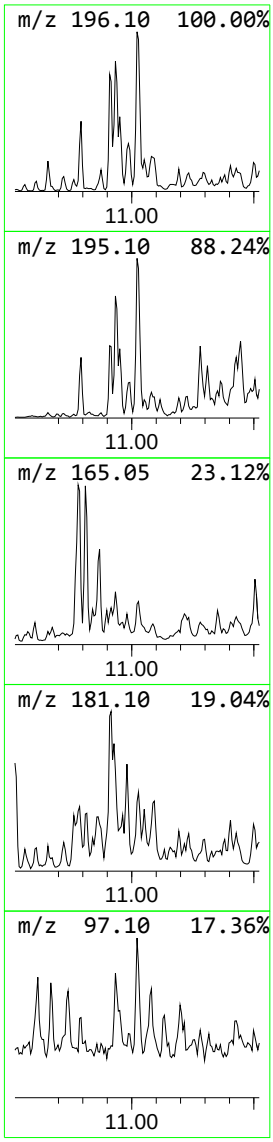
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.022	21.94 ng	439171	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
5	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-091922

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

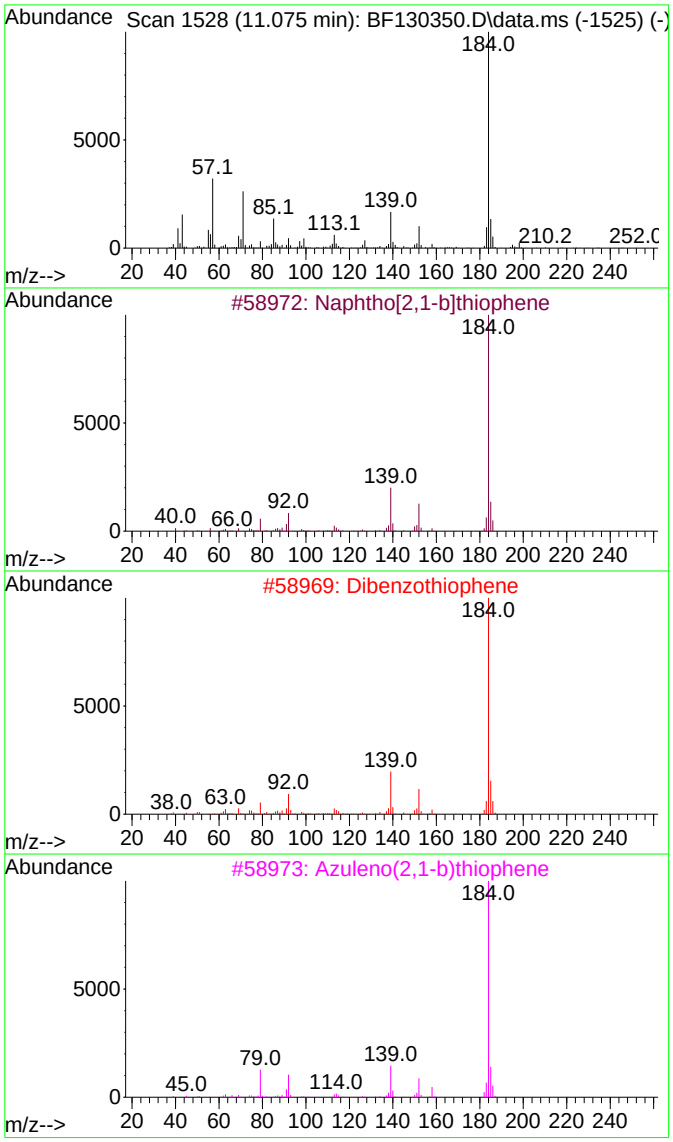
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

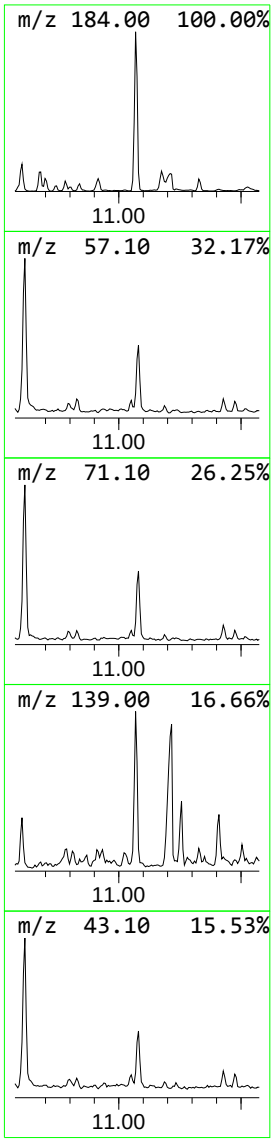
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.075	45.22 ng	905135	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	89
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	53





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Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

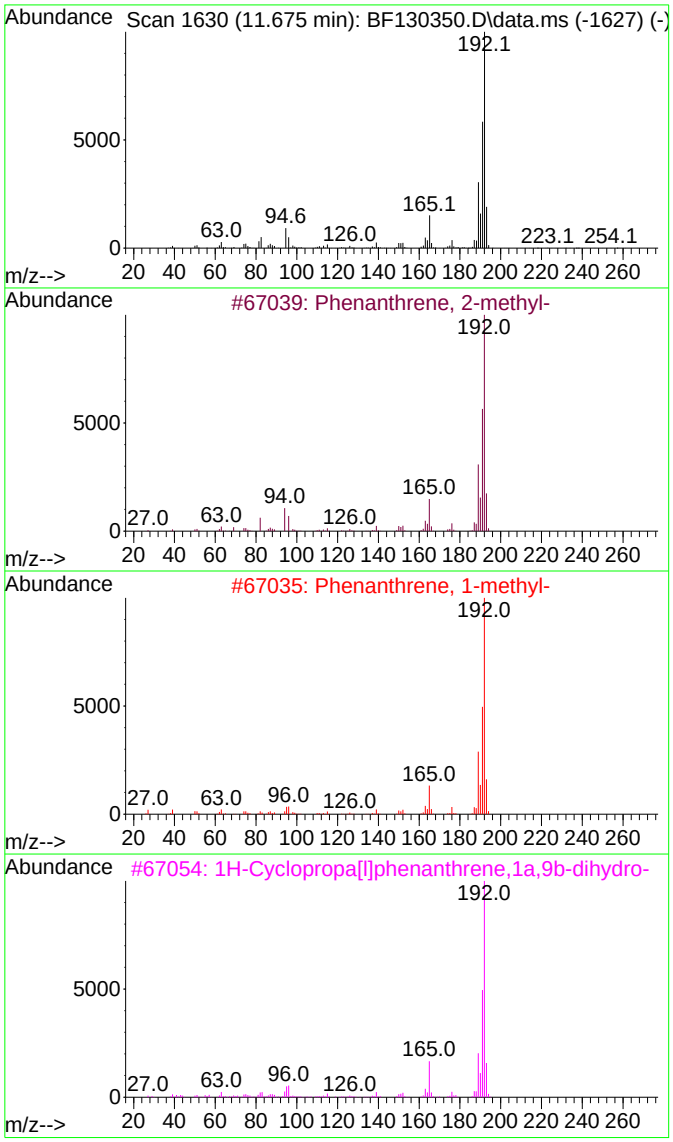
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

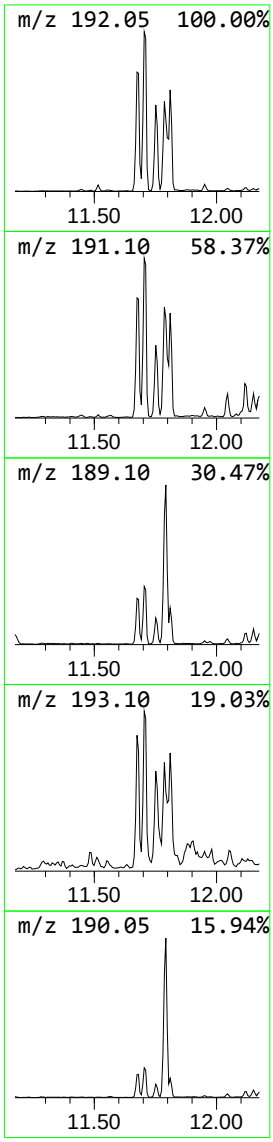
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.675	68.39 ng	1368770	Phenanthrene-d10	11.175

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





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Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

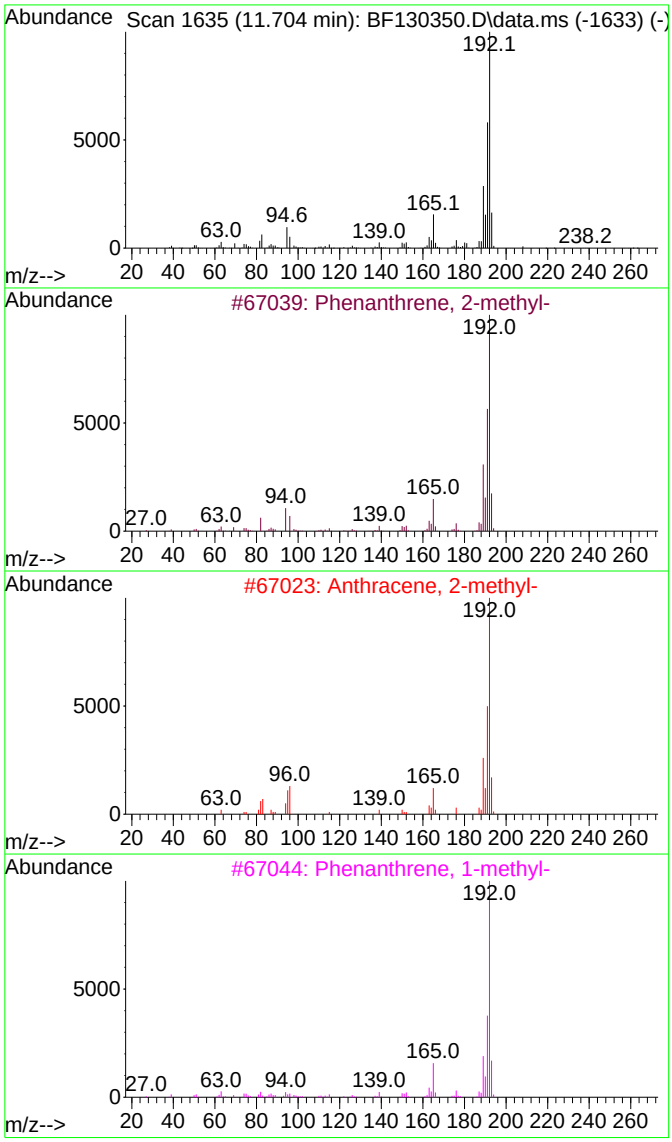
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

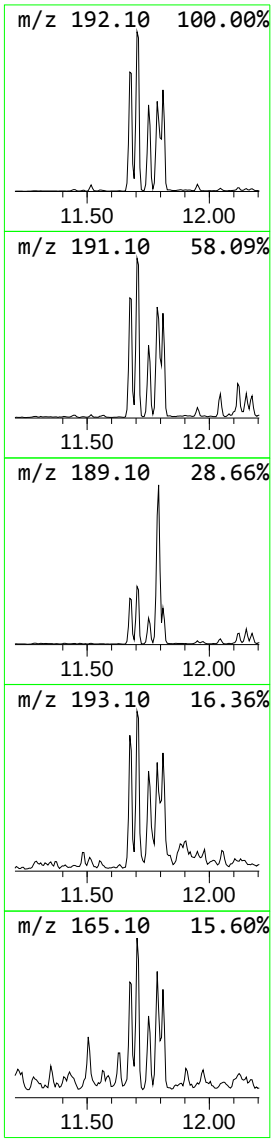
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.704	84.40 ng	1689270	Phenanthrene-d10	11.175

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

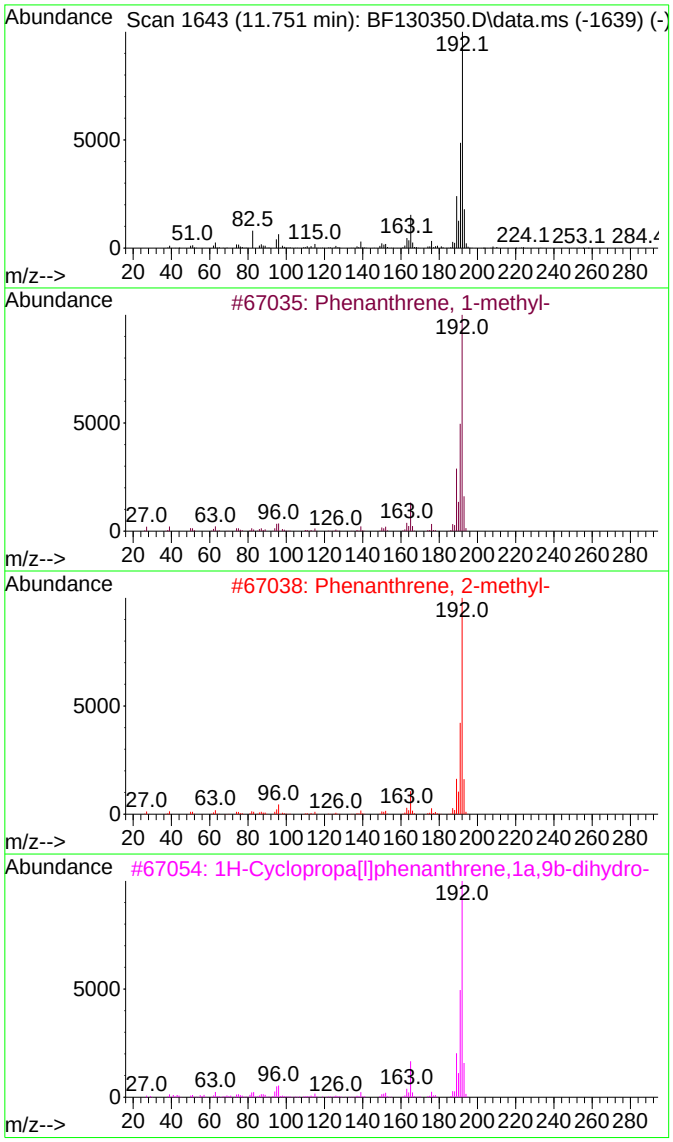
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

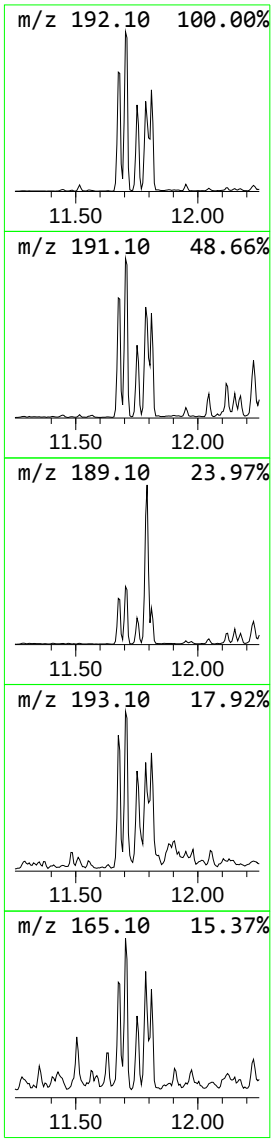
****

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	41.75 ng	835591	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-091922

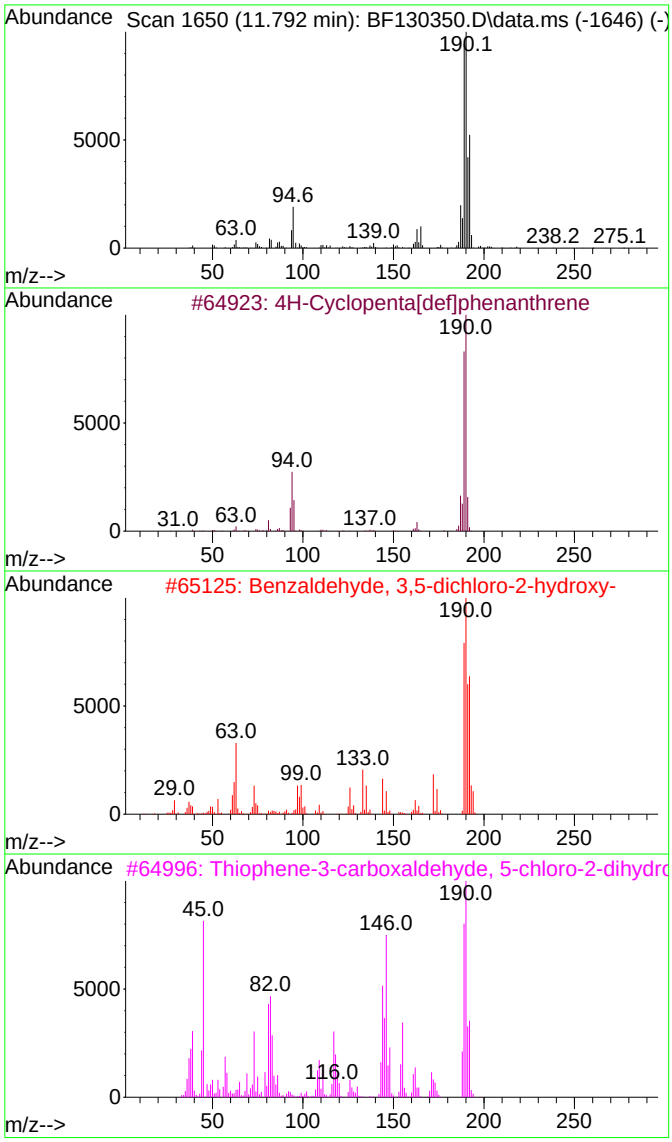
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

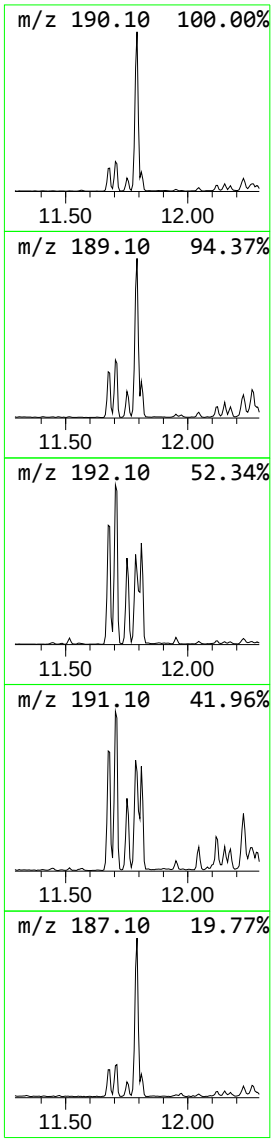
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	121.55 ng	2432780	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38





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Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-091922

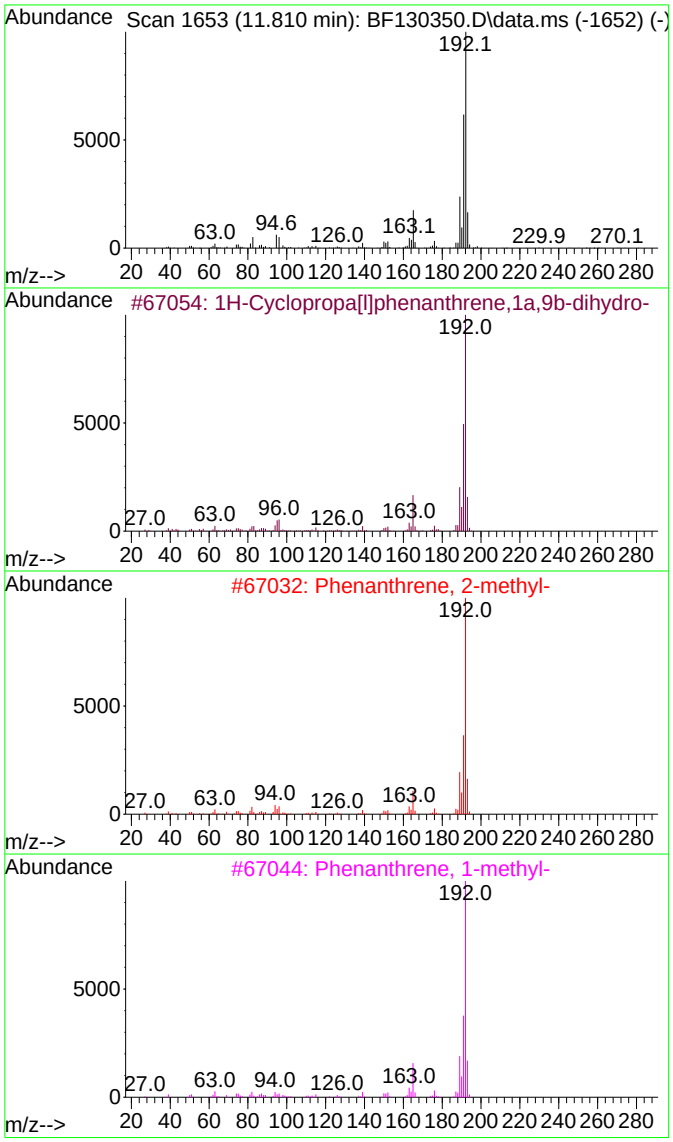
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

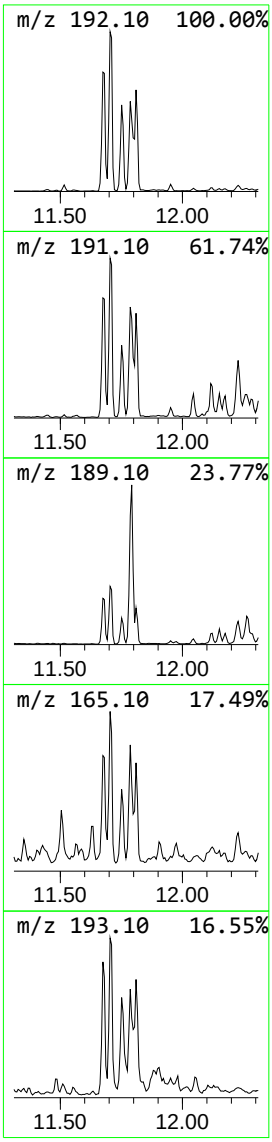
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	37.30 ng	746554	Phenanthrene-d10	11.175

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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ALS Vial : 16 Sample Multiplier: 1

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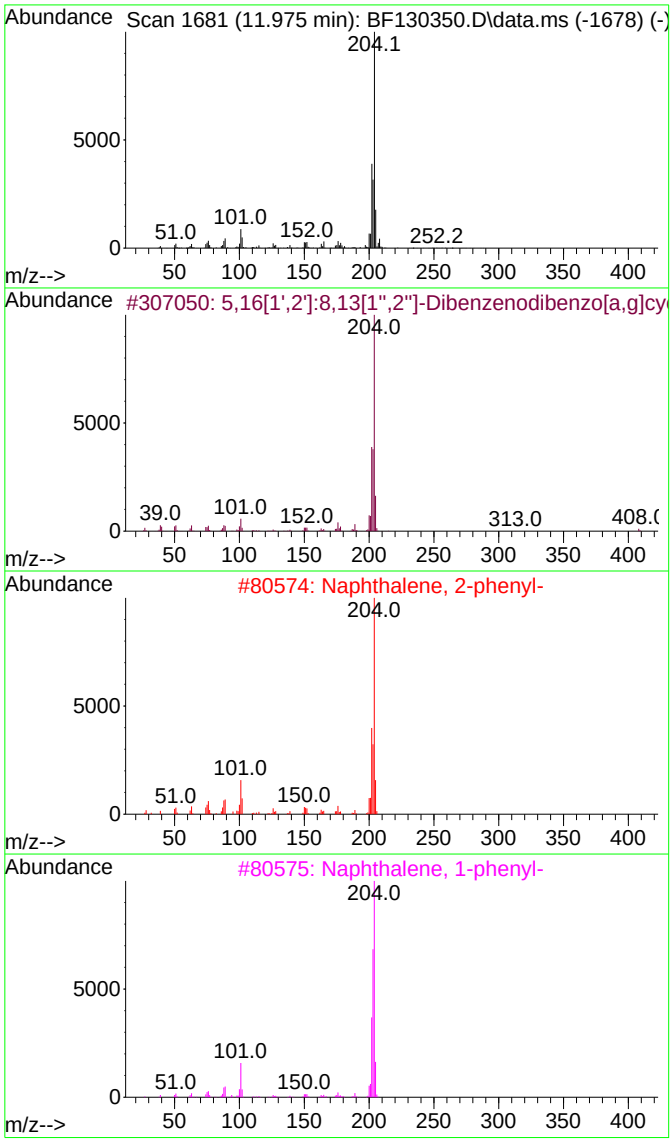
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

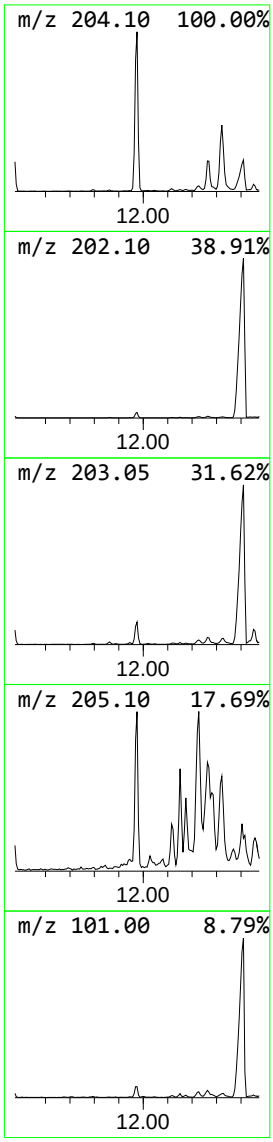
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	40.67 ng	814078	Phenanthrene-d10	11.175

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49





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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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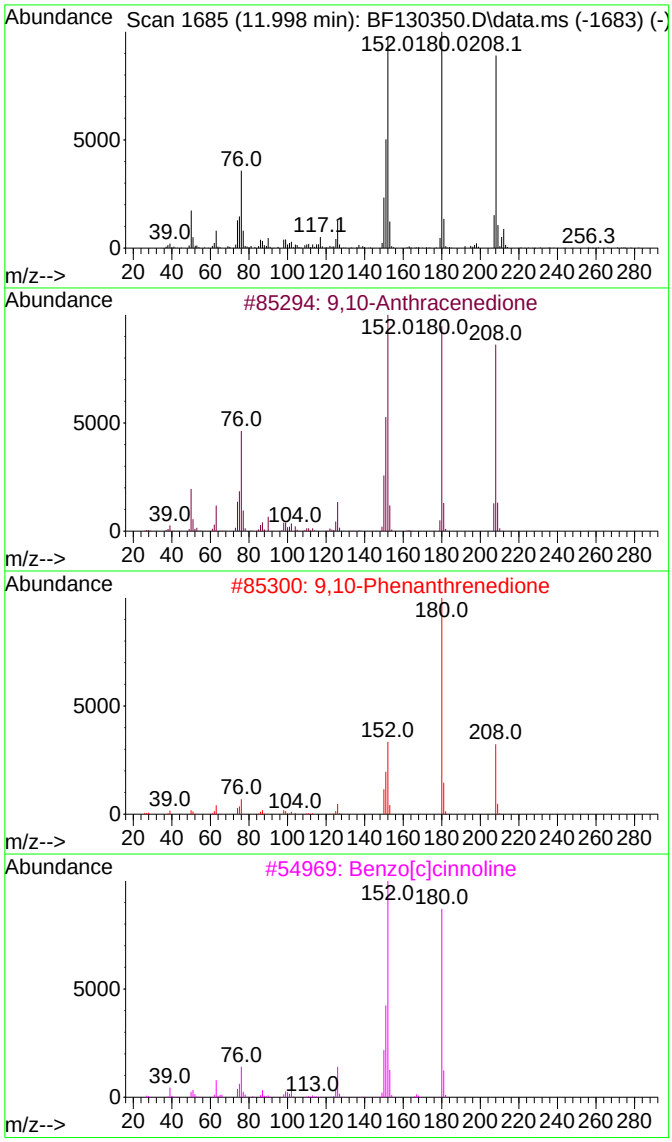
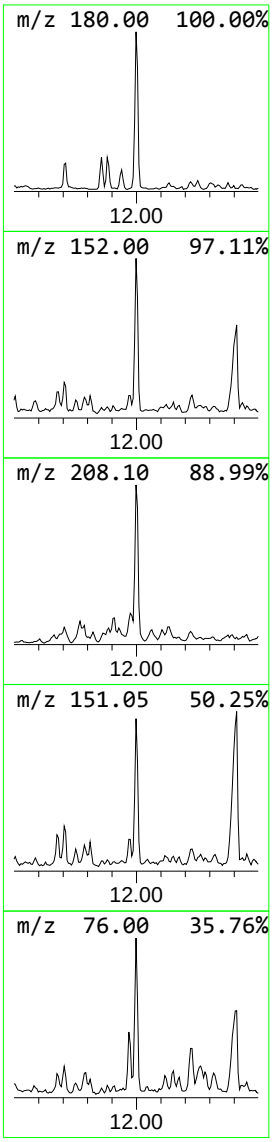
Peak Number 13 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	27.15 ng	543406	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	92
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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ALS Vial : 16 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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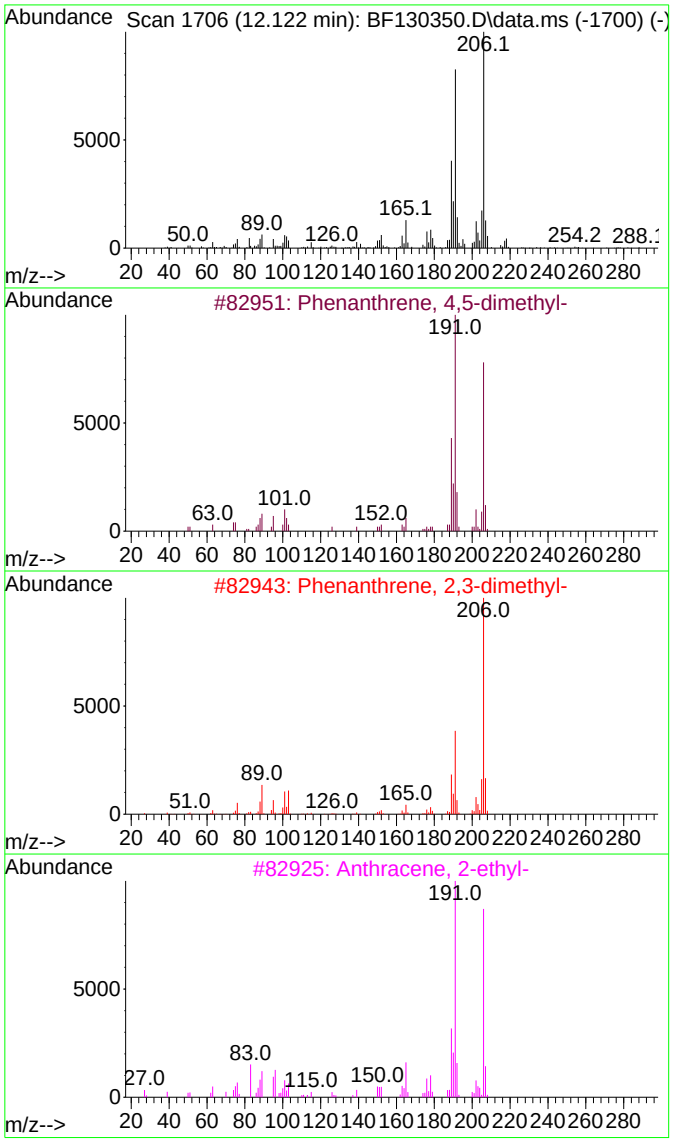
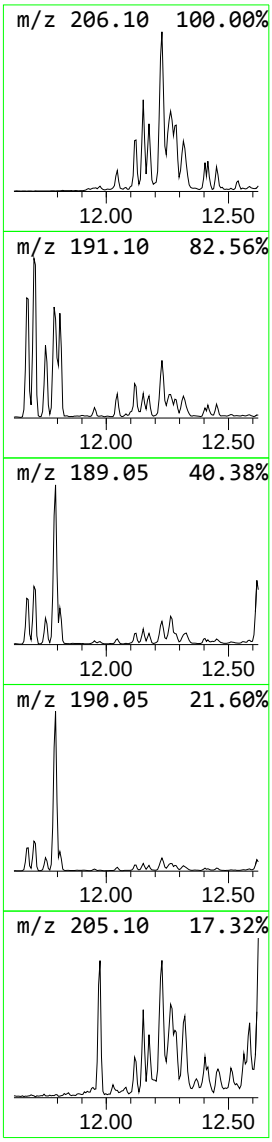
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.122	22.65 ng	453320	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	76
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	68





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ALS Vial : 16 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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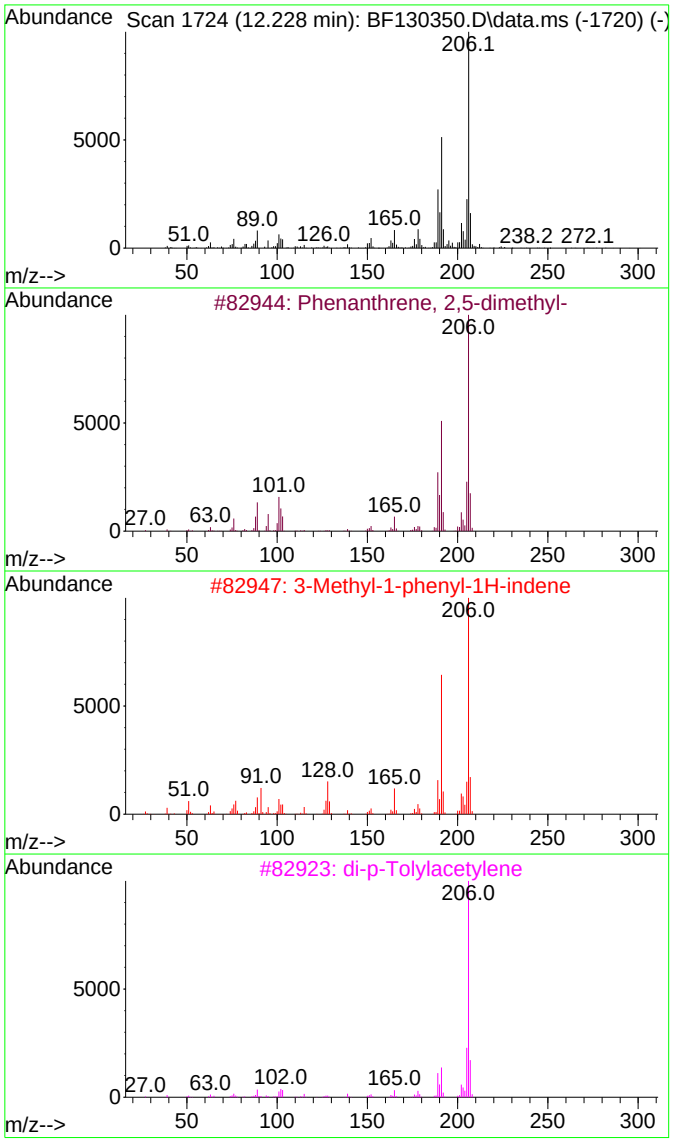
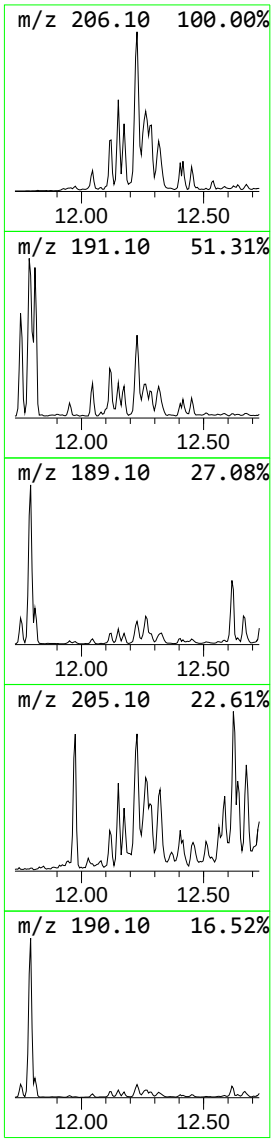
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	55.81 ng	1117080	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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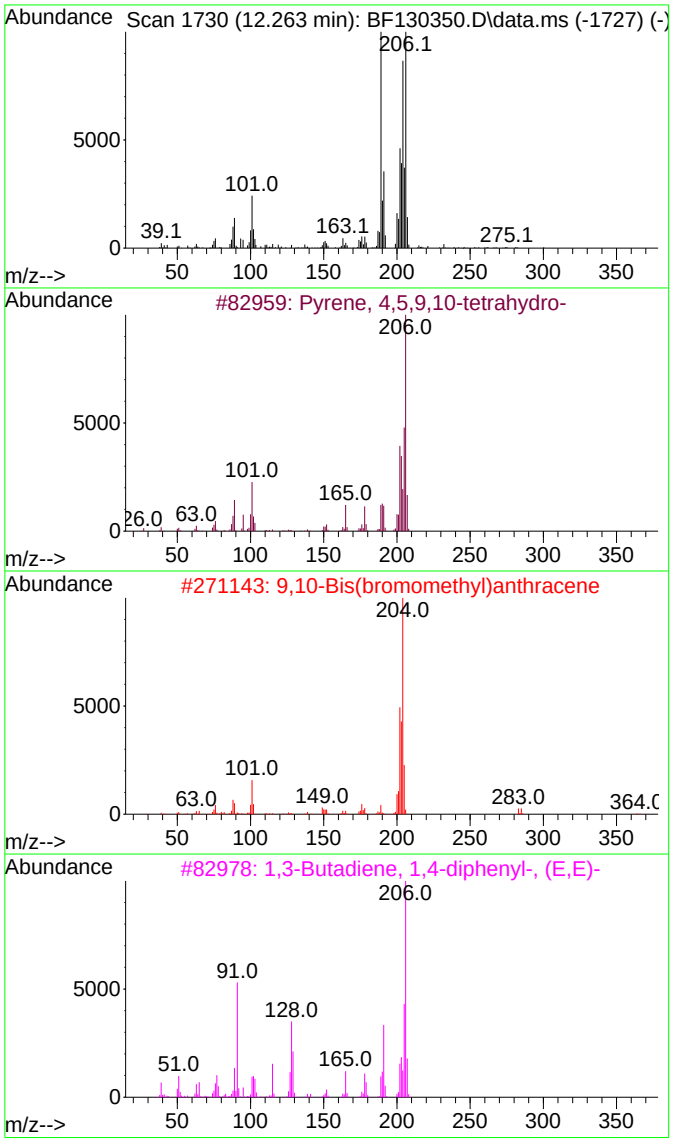
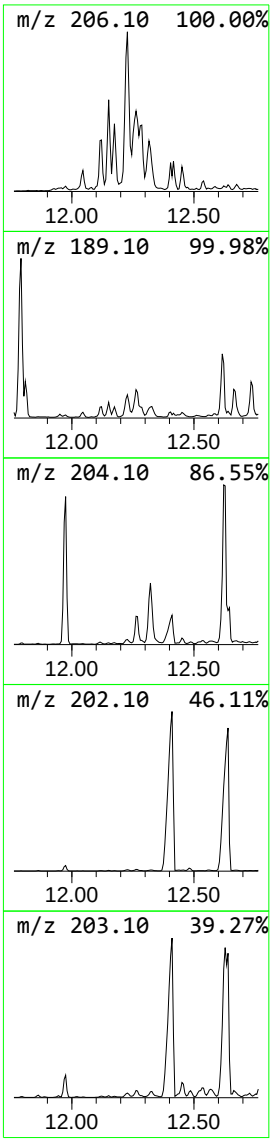
Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	37.15 ng	743597	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	30
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30





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Data File : BF130350.D
Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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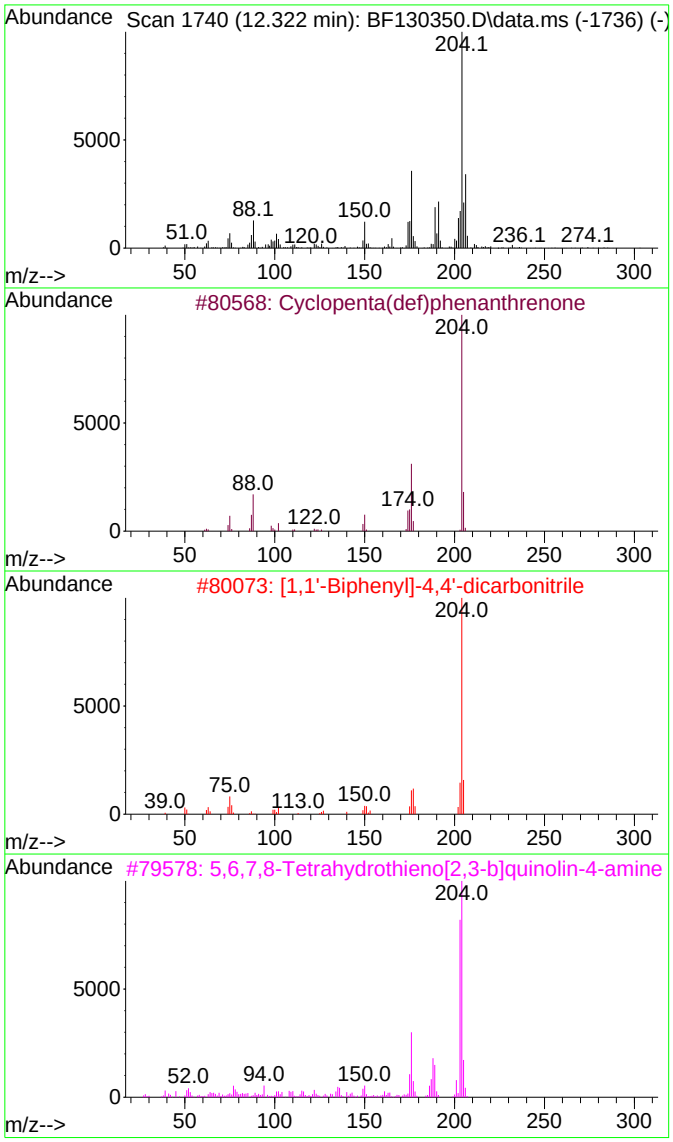
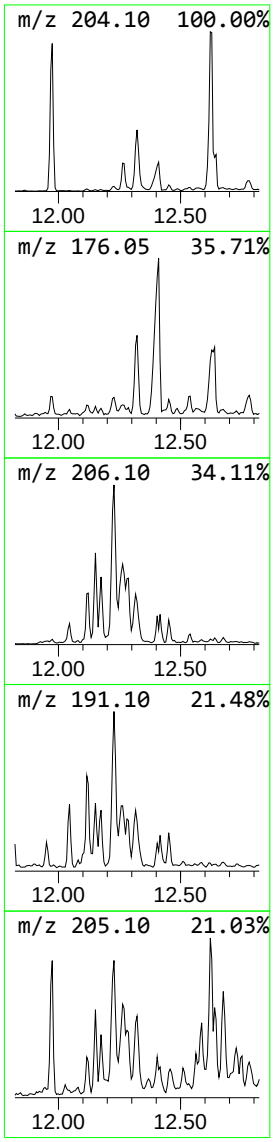
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.322	35.20 ng	704445	Phenanthrene-d10	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
5	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50





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Data File : BF130350.D
Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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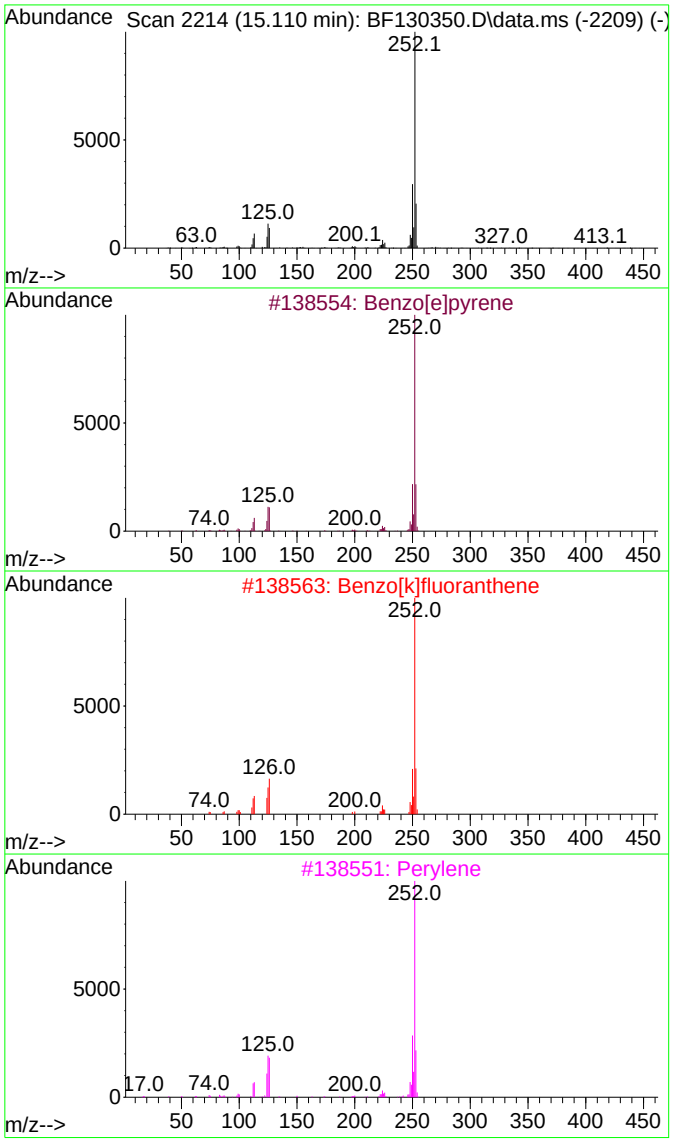
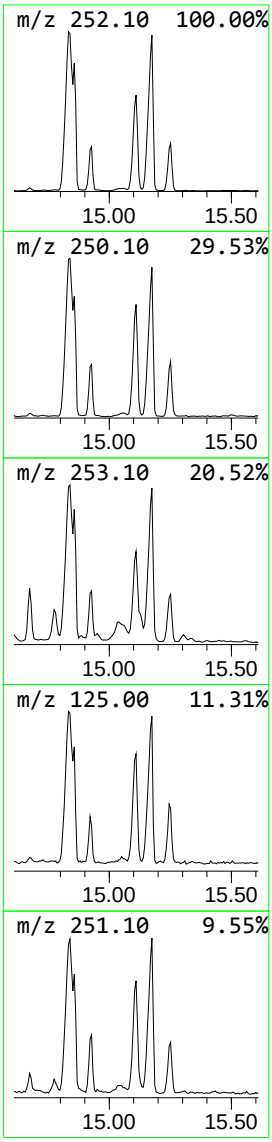
Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	102.49 ng	2063240	Perylene-d12	15.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130350.D
Acq On : 20 Sep 2022 18:23
Operator : CG\JU
Sample : N4713-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-091922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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, 5-pr...	10.616	45.2	ng	904664	4	11.175	400302	20.0
9H-Fluorene, 1-...	10.786	24.8	ng	495848	4	11.175	400302	20.0
2,2-Dimethyl-1-...	10.916	21.3	ng	425539	4	11.175	400302	20.0
3'-Methyl-[1,1'...	10.934	25.1	ng	501900	4	11.175	400302	20.0
4-(4-Methylphen...	11.022	21.9	ng	439171	4	11.175	400302	20.0
Naphtho[2,1-b]t...	11.075	45.2	ng	905135	4	11.175	400302	20.0
Phenanthrene, 1...	11.675	68.4	ng	1368770	4	11.175	400302	20.0
Phenanthrene, 2...	11.704	84.4	ng	1689270	4	11.175	400302	20.0
1H-Cyclopropa[l...	11.751	41.8	ng	835591	4	11.175	400302	20.0
4H-Cyclopenta[d...	11.792	121.6	ng	2432780	4	11.175	400302	20.0
1H-Cyclopropa[l...	11.810	37.3	ng	746554	4	11.175	400302	20.0
5,16[1',2']:8,1...	11.975	40.7	ng	814078	4	11.175	400302	20.0
9,10-Anthracene...	11.998	27.1	ng	543406	4	11.175	400302	20.0
Phenanthrene, 4...	12.122	22.6	ng	453320	4	11.175	400302	20.0
Phenanthrene, 2...	12.227	55.8	ng	1117080	4	11.175	400302	20.0
Pyrene, 4,5,9,1...	12.263	37.1	ng	743597	4	11.175	400302	20.0
Cyclopenta(def)...	12.322	35.2	ng	704445	4	11.175	400302	20.0
Benzo[e]pyrene	15.110	102.5	ng	2063240	6	15.216	402643	20.0