LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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-BF071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129254.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.522	546	550	554	rVB	4905391	4590178	31.02%	2.476%
2	6.528	717	721	724	rBV	4798512	4361750	29.48%	2.353%
3	6.898	780	784	787	rBV	1709046	1317822	8.91%	0.711%
4	7.457	875	879	882	rBV	2924826	2798434	18.91%	1.510%
5	8.181	999	1002	1004	rBV	2034986	1618147	10.93%	0.873%
6	8.204	1004	1006	1008	rVB	586918	456998	3.09%	0.247%
7	8.892	1120	1123	1126	rVB	454352	343851	2.32%	0.186%
8	8.992	1136	1140	1143	rBV	390812	311343	2.10%	0.168%
9	9.257	1180	1185	1188	rVB	5526369	4630391	31.29%	2.498%
10	9.522	1225	1230	1233	rVV	211961	271962	1.84%	0.147%
11	9.592	1238	1242	1245	rBV	400571	402169	2.72%	0.217%
12	9.645	1249	1251	1258	rVB2	146417	217502	1.47%	0.117%
13	9.798	1274	1277	1280	rBV	1262472	963990	6.51%	0.520%
14	9.939	1298	1301	1303	rVV	1688188	1515251	10.24%	0.817%
15	9.969	1303	1306	1309	rVB	1698144	1279125	8.64%	0.690%
16	10.034	1314	1317	1322	rBV3	147691	213882	1.45%	0.115%
17	10.092	1322	1327	1330	rBV2	194965	266350	1.80%	0.144%
18	10.139	1330	1335	1338	rVV2	678404	661190	4.47%	0.357%
19	10.175	1338	1341	1345	rVB	230724	198207	1.34%	0.107%
20	10.251	1350	1354	1357	rBV3	208123	251117	1.70%	0.135%
21	10.339	1365	1369	1370	rBV2	172045	202195	1.37%	0.109%
22	10.357	1370	1372	1375	rVB	286448	223166	1.51%	0.120%
23	10.486	1390	1394	1399	rVB	900054	915129	6.18%	0.494%
24	10.639	1418	1420	1423	rVB	287218	238608	1.61%	0.129%
25	10.728	1431	1435	1438	rBV	3119774	2750048	18.58%	1.484%
26	10.845	1450	1455	1459	rBV4	452171	697040	4.71%	0.376%
27	11.033	1480	1487	1489	rBV4	341176	522957	3.53%	0.282%
28	11.157	1504	1508	1510	rVV3	229929	297602	2.01%	0.161%
29	11.180	1510	1512	1517	rVV4	280883	339664	2.30%	0.183%
30	11.233	1517	1521	1524	rVB	666245	636756	4.30%	0.344%
31	11.280	1525	1529	1532	rBV4	415771	535291	3.62%	0.289%
32	11.322	1532	1536	1541	rVB	685974	734636	4.96%	0.396%
33	11.428	1551	1554	1556	rBV	1479245	1510893	10.21%	0.815%
34	11.457	1556	1559	1562	rVV	7714614	7535260	50.92%	4.065%
35	11.504	1562	1567	1570	rVV	3287761	2755859	18.62%	1.487%
36	11.533	1570	1572	1575	rVV3	309325	333842	2.26%	0.180%

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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-BF071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.657	1587	1593	1596	rBV2	1381602	1449642	9.80%	0.782%
38	11.722	1602	1604	1607	rVV2	384559	310443	2.10%	0.167%
39	11.757	1607	1610	1614	rVB3	477087	453238	3.06%	0.245%
40	11.880	1628	1631	1633	rBV2	232522	213130	1.44%	0.115%
41	11.928	1633	1639	1641	rVV	1636079	1945236	13.15%	1.049%
42	11.957	1641	1644	1647	rVV2	2747285	3143374	21.24%	1.696%
43	12.004	1649	1652	1655	rVV	916967	826510	5.59%	0.446%
44	12.045	1655	1659	1661	rVV2	2433320	2799610	18.92%	1.510%
45	12.063	1661	1662	1666	rVB	1261263	861450	5.82%	0.465%
46	12.116	1667	1671	1672	rBV3	352628	387285	2.62%	0.209%
47	12.227	1686	1690	1692	rVV	1243290	1216038	8.22%	0.656%
48	12.251	1692	1694	1698	rVV2	1098993	973460	6.58%	0.525%
49	12.375	1712	1715	1717	rVV	460715	404390	2.73%	0.218%
50	12.404	1717	1720	1722	rVB	512141	389405	2.63%	0.210%
51	12.427	1722	1724	1727	rVB	520161	419482	2.83%	0.226%
52	12.480	1729	1733	1735	rBV	1225775	1312791	8.87%	0.708%
53	12.522	1735	1740	1742	rVV3	576418	1098887	7.43%	0.593%
54	12.575	1745	1749	1753	rVB	1107546	1302468	8.80%	0.703%
55	12.622	1753	1757	1758	rBV2	342909	377417	2.55%	0.204%
56	12.663	1758	1764	1767	rVV	9541147	12855153	86.87%	6.935%
57	12.686	1767	1768	1770	rVV	516874	401449	2.71%	0.217%
58	12.710	1770	1772	1774	rVV2	527644	501881	3.39%	0.271%
59	12.739	1774	1777	1780	rVB2	757580	821551	5.55%	0.443%
60	12.798	1785	1787	1791	rVV	637894	709327	4.79%	0.383%
61	12.892	1795	1803	1806	rBV2	9491666	14798080	100.00%	7.984%
62	12.927	1806	1809	1812	rVV2	804115	872945	5.90%	0.471%
63	12.992	1817	1820	1821	rBV3	941368	888837	6.01%	0.480%
64	13.016	1821	1824	1826	rVV	4158721	4020760	27.17%	2.169%
65	13.039	1826	1828	1831	rVB	1143619	1000909	6.76%	0.540%
66	13.098	1832	1838	1841	rBV2	1312096	2308219	15.60%	1.245%
67	13.180	1849	1852	1854	rBV4	1189862	1503161	10.16%	0.811%
68	13.204	1854	1856	1859	rVB	2079125	1868718	12.63%	1.008%
69	13.233	1859	1861	1864	rBV2	486866	537990	3.64%	0.290%
70	13.269	1864	1867	1870	rVV	1344111	1292241	8.73%	0.697%
71	13.310	1870	1874	1877	rVV2	1912671	2452619	16.57%	1.323%
72	13.333	1877	1878	1881	rVV	632972	502291	3.39%	0.271%
73	13.363	1881	1883	1886	rVV	411585	358249	2.42%	0.193%
74	13.404	1887	1890	1892	rVV	1177553	977865	6.61%	0.528%
75	13.433	1892	1895	1898	rVV	1277660	1266984	8.56%	0.684%
76	13.486	1902	1904	1907	rBV3	465119	443256	3.00%	0.239%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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-BF071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.580	1917	1920	1922	rBV3	499278	618053	4.18%	0.333%
78	13.716	1940	1943	1947	rVB	1899719	1872804	12.66%	1.010%
79	13.827	1958	1962	1965	rBV2	1660933	2131316	14.40%	1.150%
80	13.857	1965	1967	1969	rVV	1764329	1488784	10.06%	0.803%
81	13.880	1969	1971	1974	rVV2	1478360	1865440	12.61%	1.006%
82	13.927	1977	1979	1982	rVB	1849636	1671821	11.30%	0.902%
83	14.080	1997	2005	2008	rBV2	6711750	11311575	76.44%	6.103%
84	14.121	2008	2012	2017	rVB	6226287	7535612	50.92%	4.066%
85	14.192	2021	2024	2027	rVB2	1077258	997070	6.74%	0.538%
86	14.227	2027	2030	2032	rBV	528740	502718	3.40%	0.271%
87	14.310	2040	2044	2046	rBV3	744486	1065291	7.20%	0.575%
88	14.427	2062	2064	2067	rBV	670597	741941	5.01%	0.400%
89	14.469	2068	2071	2074	rVV	1763583	1733227	11.71%	0.935%
90	14.504	2074	2077	2079	rVB	772496	742876	5.02%	0.401%
91	14.592	2090	2092	2094	rBV	708045	628435	4.25%	0.339%
92	15.157	2181	2188	2190	rBV	4319457	8163090	55.16%	4.404%
93	15.257	2202	2205	2211	rVB	1394946	1700309	11.49%	0.917%
94	15.463	2235	2240	2246	rVB	2802470	4583091	30.97%	2.473%
95	15.533	2246	2252	2256	rVV	3916704	5850314	39.53%	3.156%
96	15.586	2257	2261	2264	rVV2	1179550	1814305	12.26%	0.979%
97	15.621	2264	2267	2273	rVB2	1451226	2004159	13.54%	1.081%
98	16.027	2332	2336	2341	rVB2	1180028	1789464	12.09%	0.965%
99	17.121	2515	2522	2527	rVB2	1766786	3597015	24.31%	1.941%
100	17.586	2593	2601	2612	rVB	1553870	3778988	25.54%	2.039%

Sum of corrected areas: 185353044

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Data File : BF129254.D
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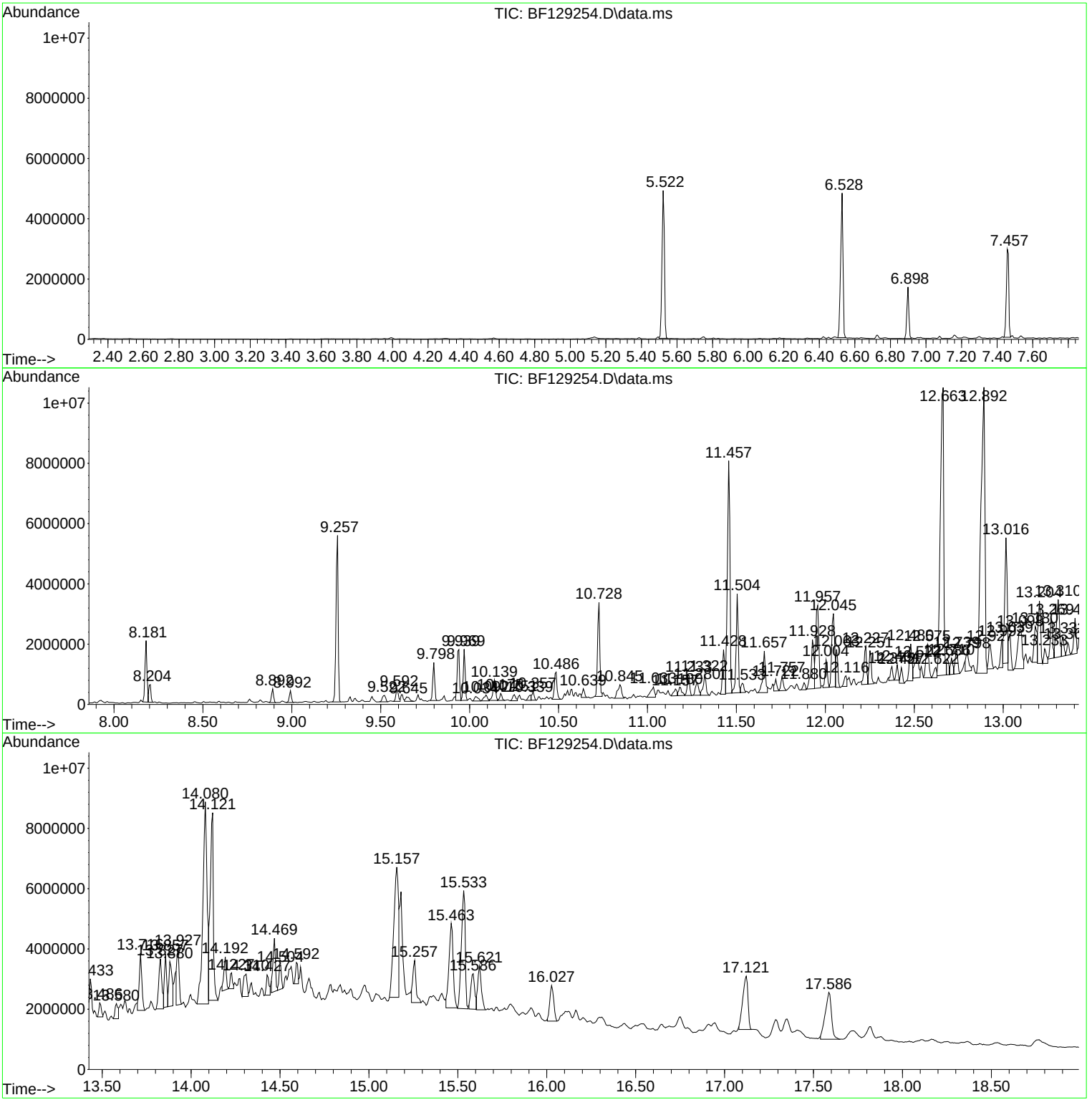
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.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\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
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Sample : N3731-03
Misc :
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

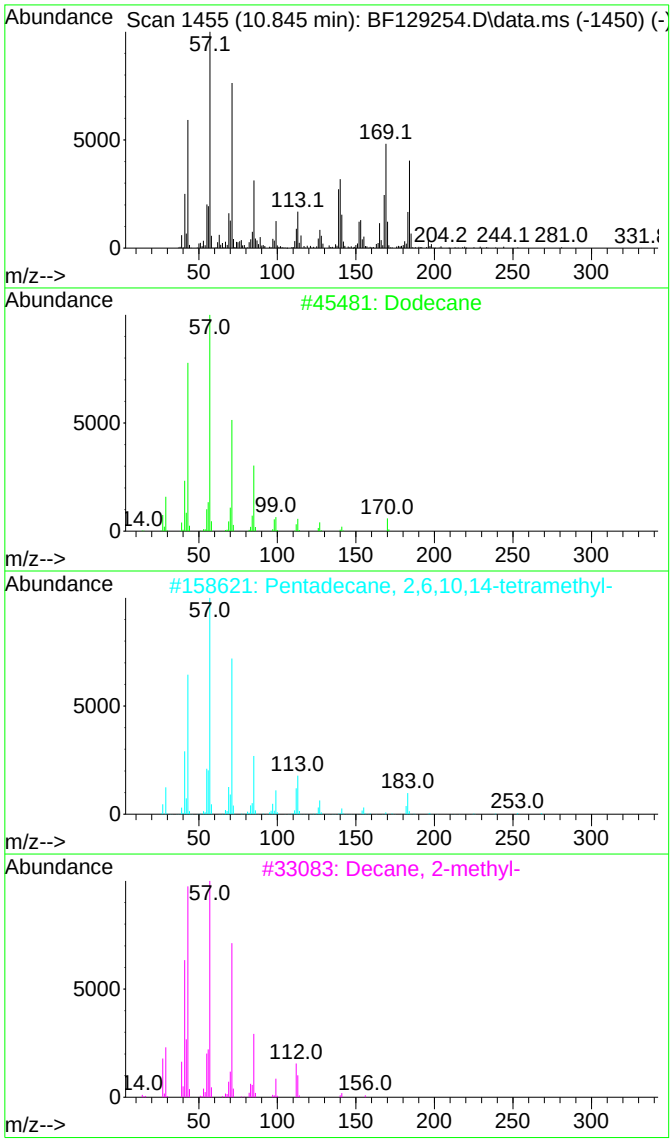
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

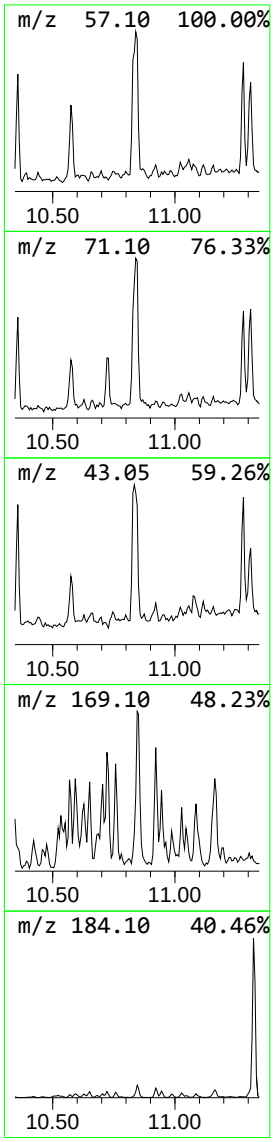
****

Peak Number 1 unknown10.845 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.845	9.23 ng	697040	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	38
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	38
3	Decane, 2-methyl-	156	C11H24	006975-98-0	38
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38
5	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
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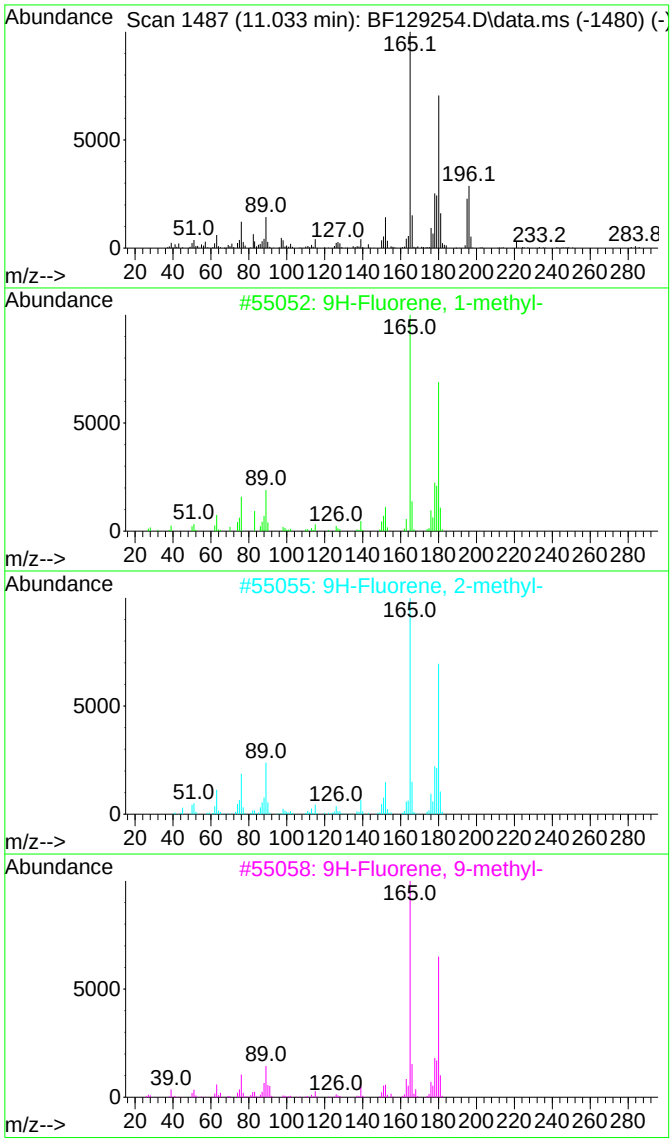
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

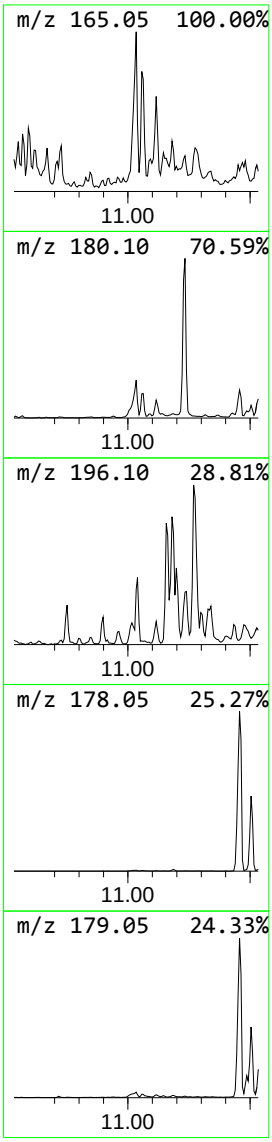
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.033	6.92 ng	522957	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.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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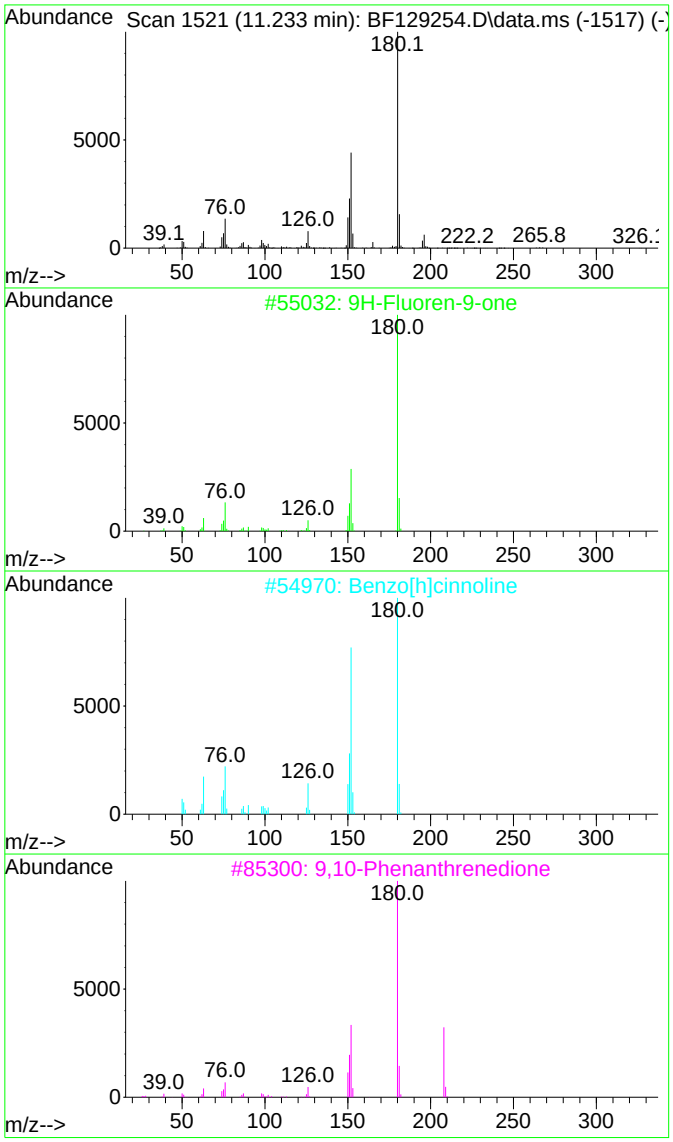
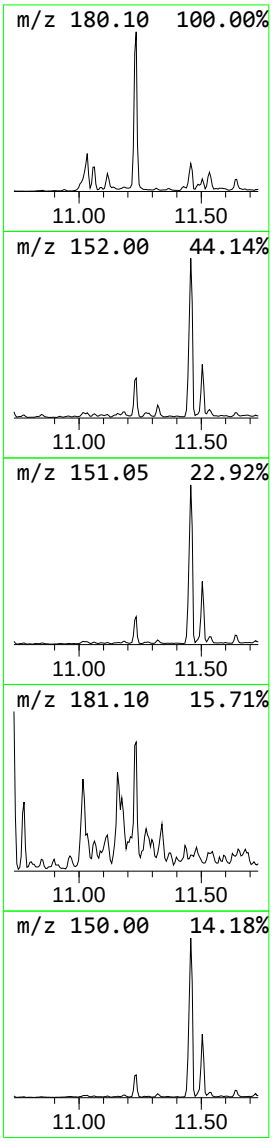
Peak Number 3 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	8.43 ng	636756	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	64
5	Diphenic anhydride	224	C14H8O3	006050-13-1	62





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Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

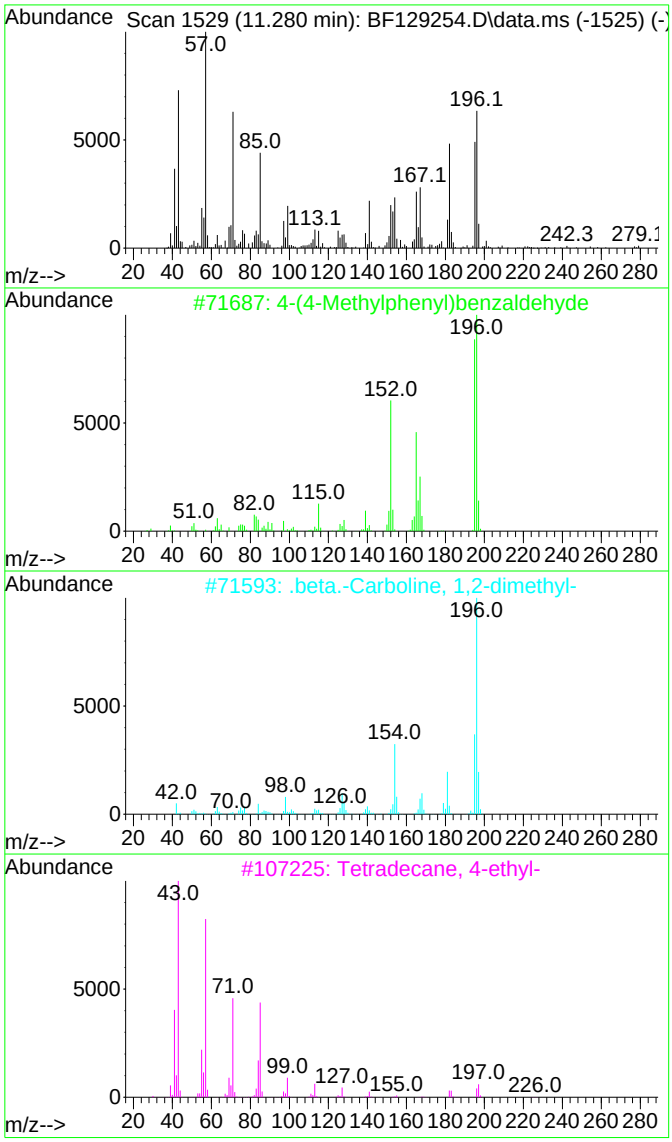
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

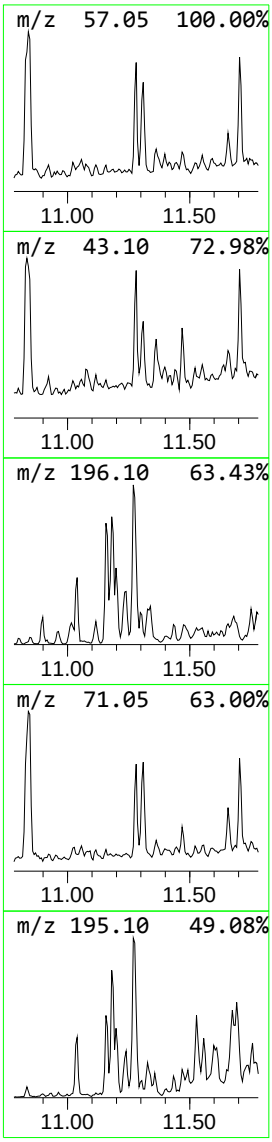
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.281	7.09 ng	535291	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	59
2	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	25
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	25
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	18
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

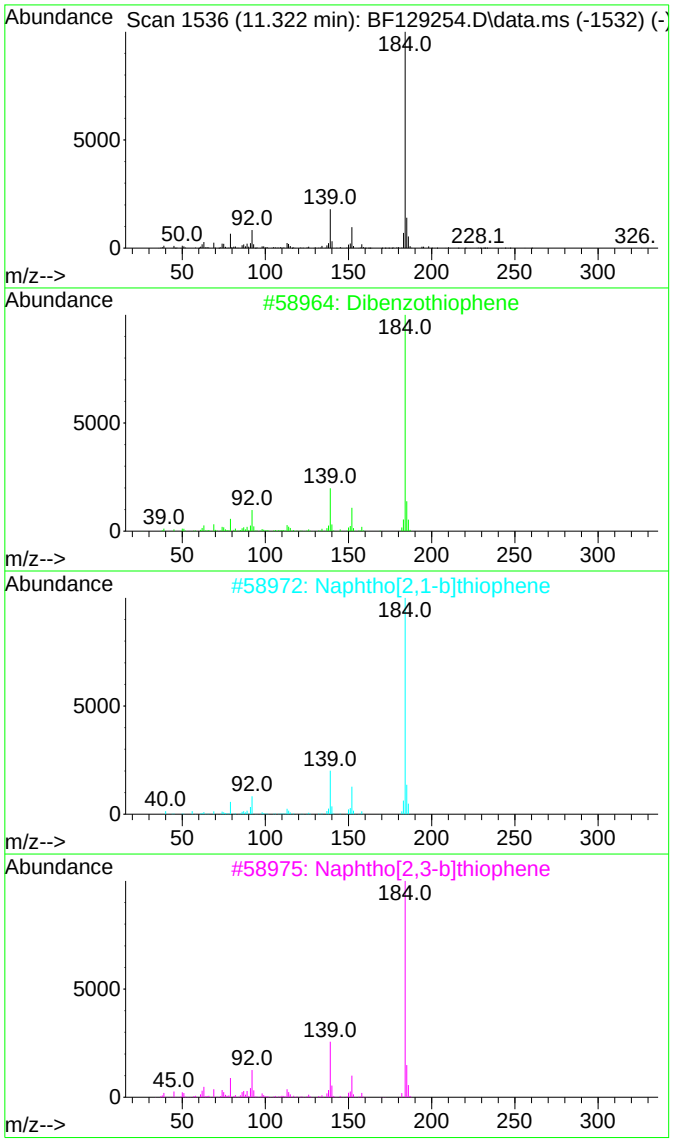
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

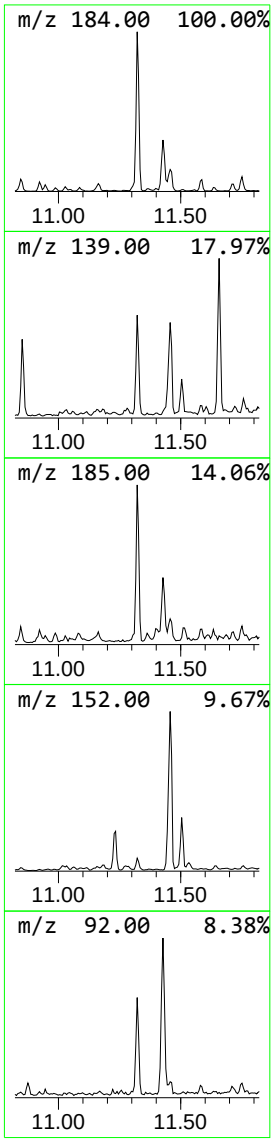
****

Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.322	9.72 ng	734636	Phenanthrene-d10	11.428

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	94
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	90





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Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-2

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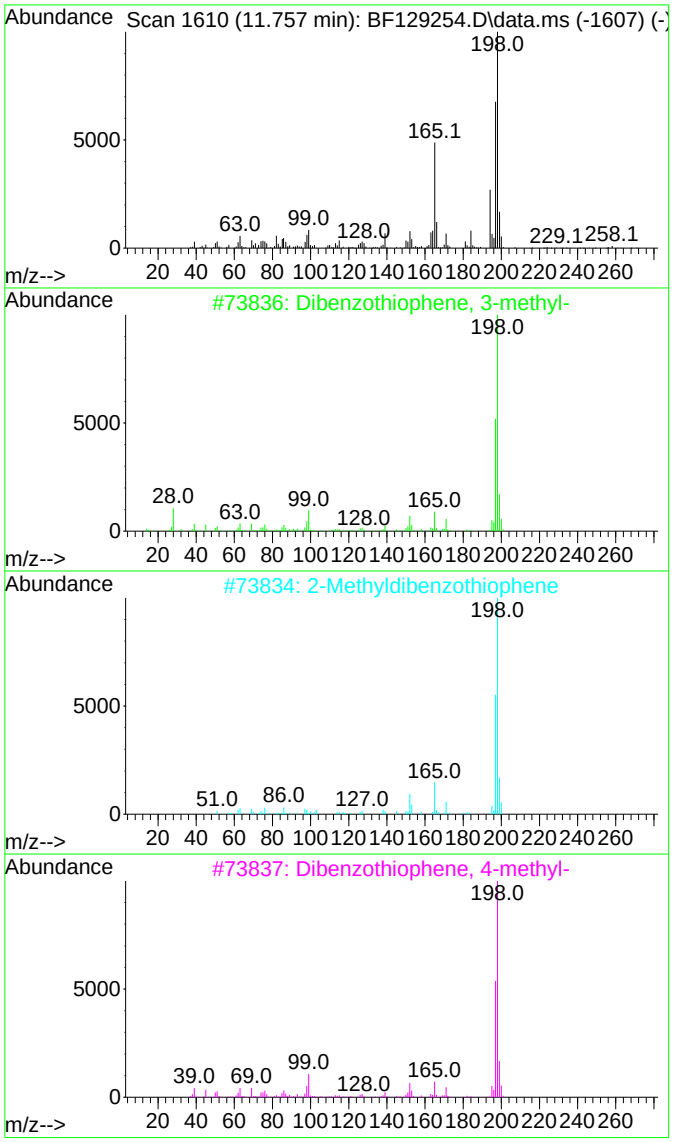
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

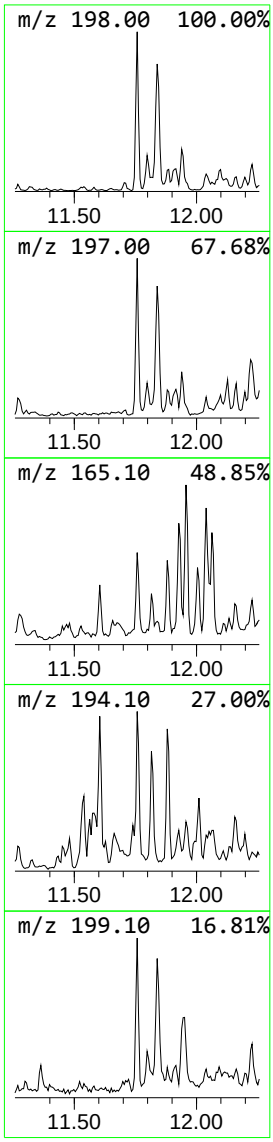
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.757	6.00 ng	453238	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	92
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	62
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	60





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BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

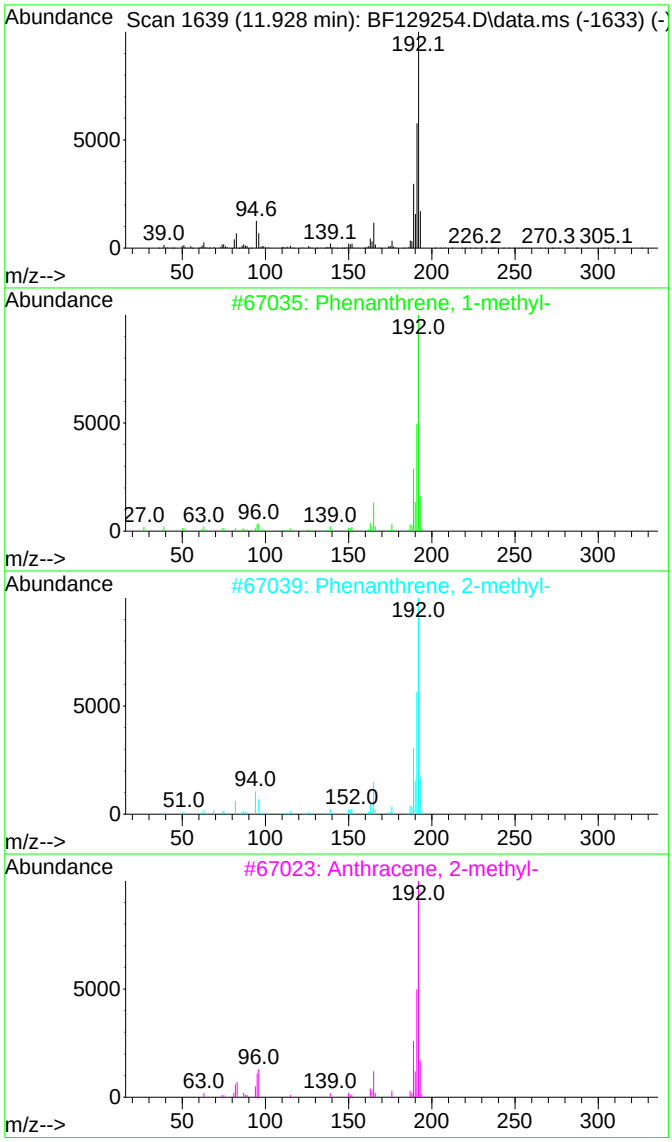
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

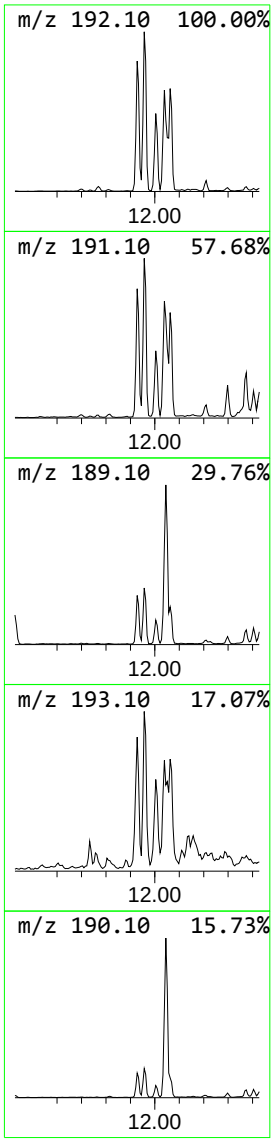
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	25.75 ng	1945240	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

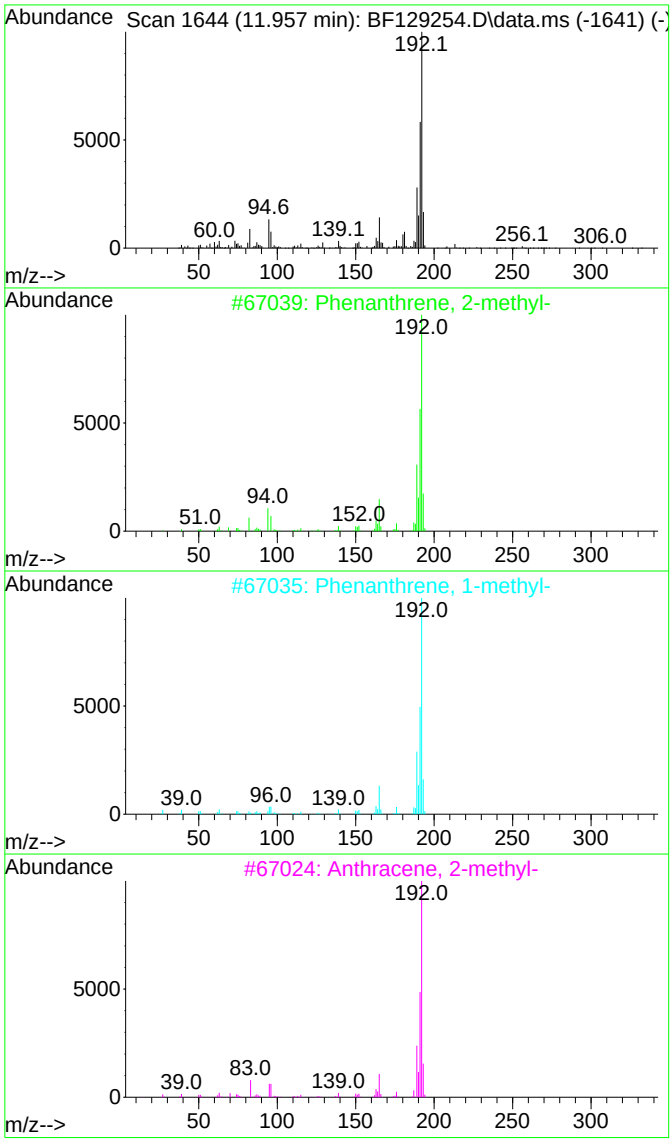
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

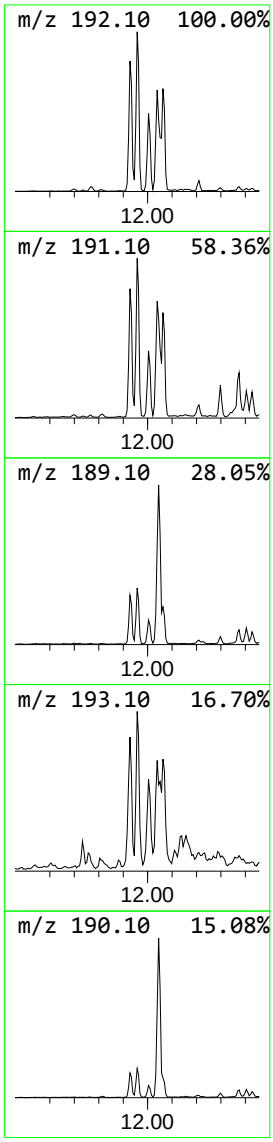
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	41.61 ng	3143370	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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

Instrument :
BNA_F
ClientSampleId :
TP-2

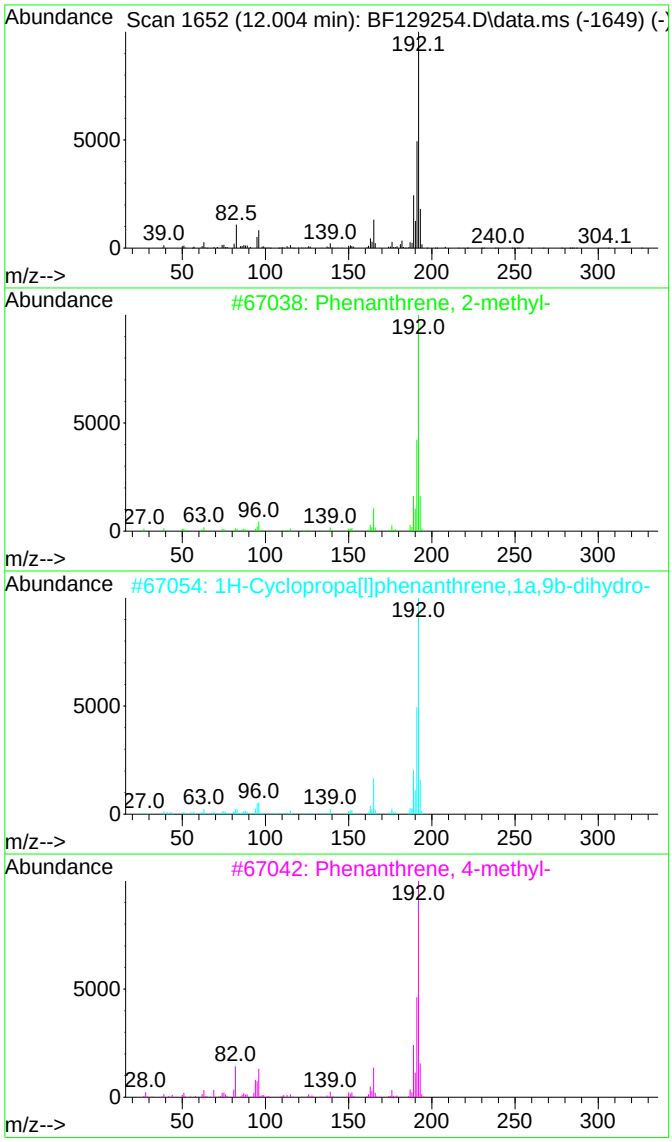
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

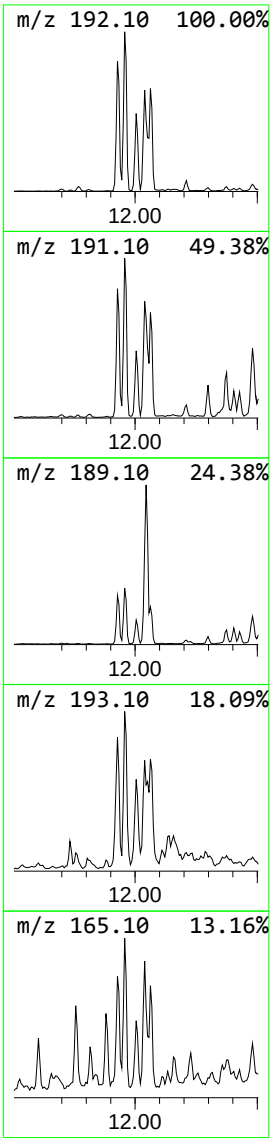
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	10.94 ng	826510	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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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ALS Vial : 16 Sample Multiplier: 1

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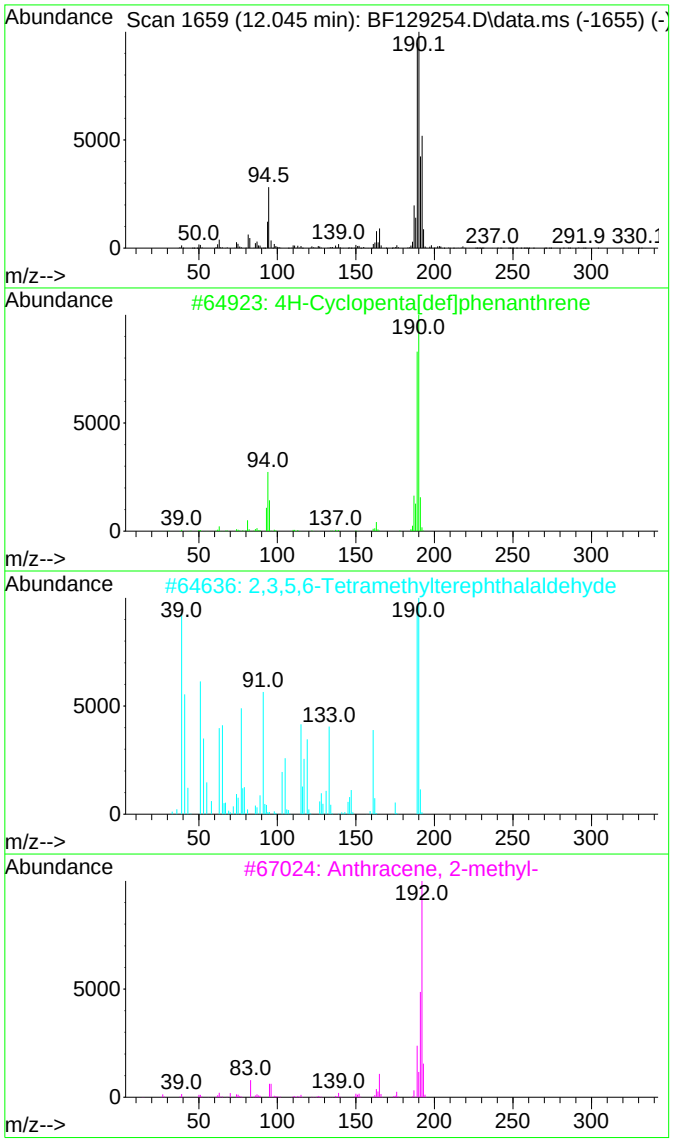
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

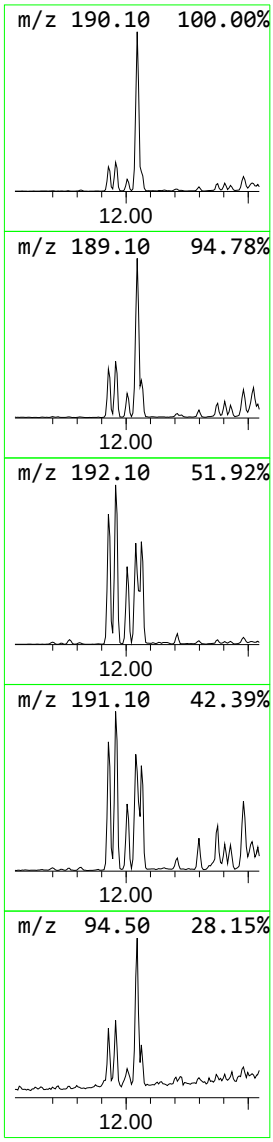
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	37.06 ng	2799610	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18





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Misc :
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

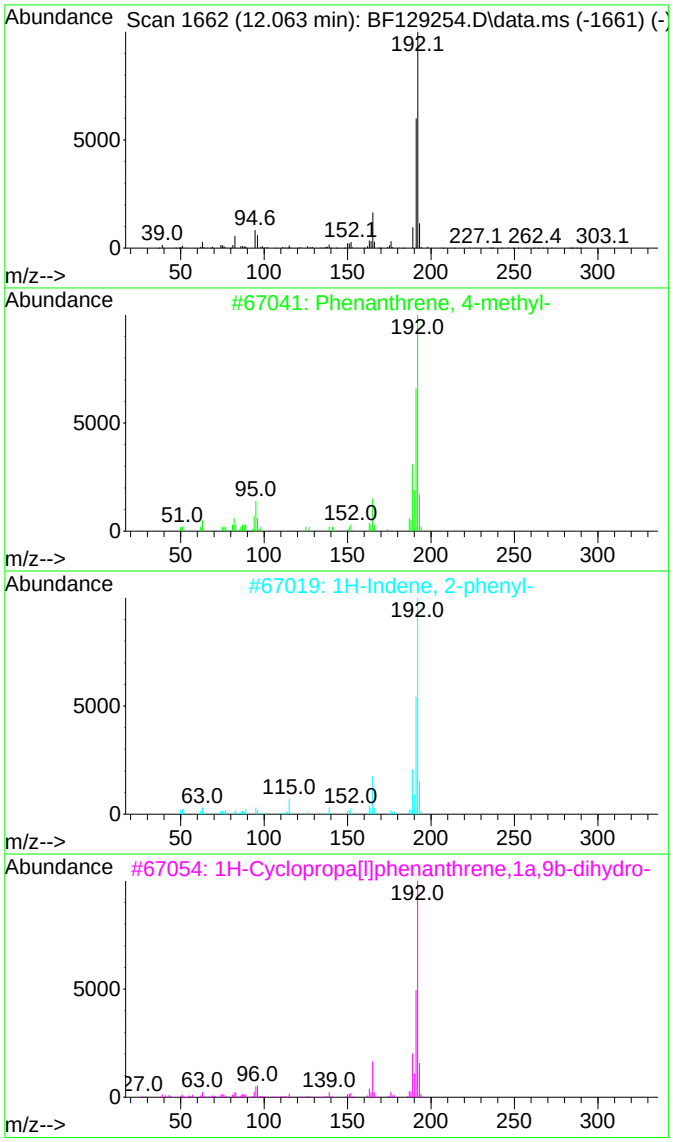
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

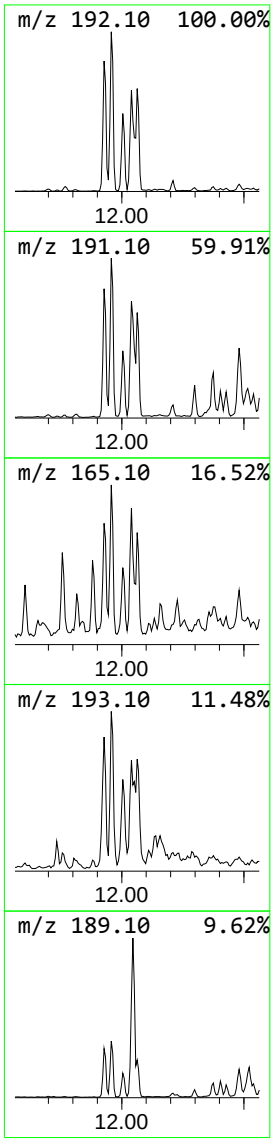
****

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	11.40 ng	861450	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	80
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





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Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

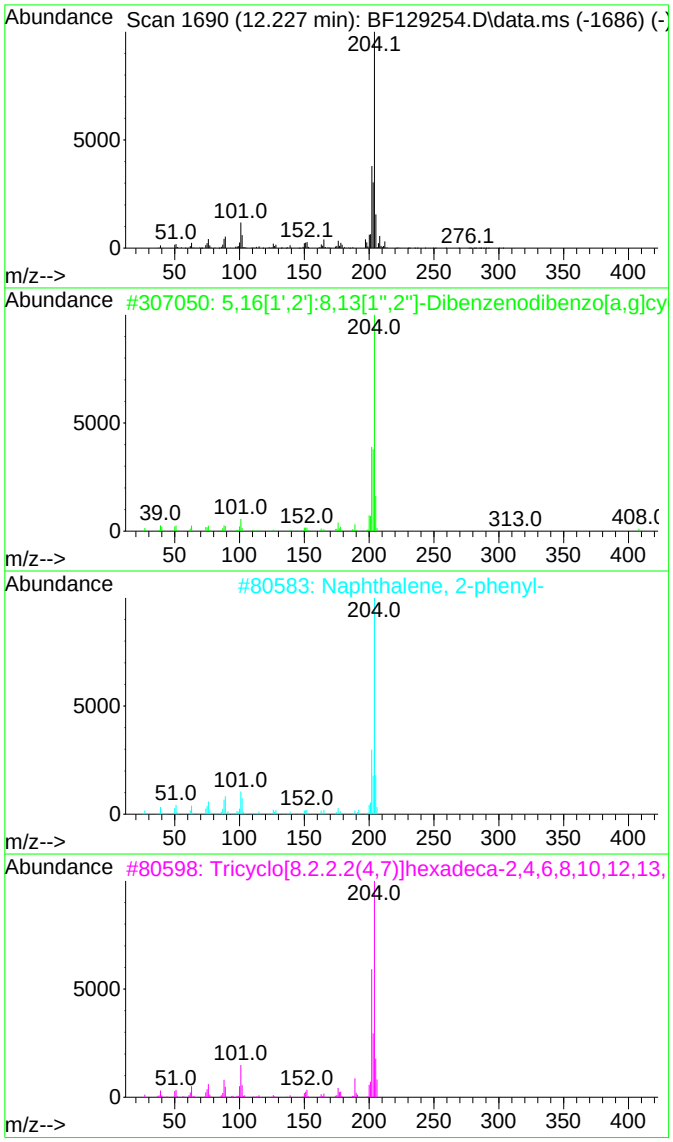
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

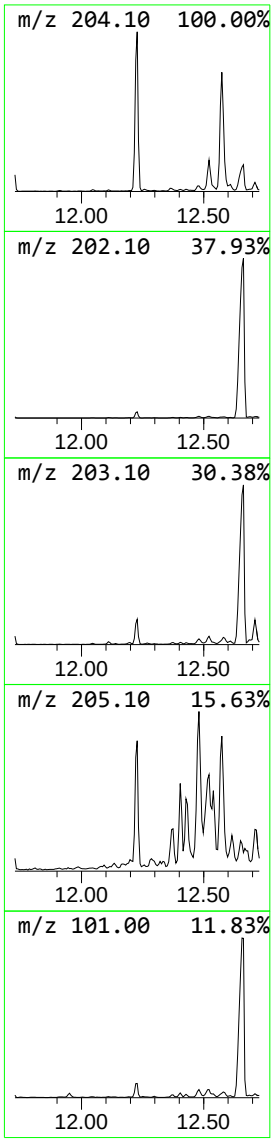
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	16.10 ng	1216040	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	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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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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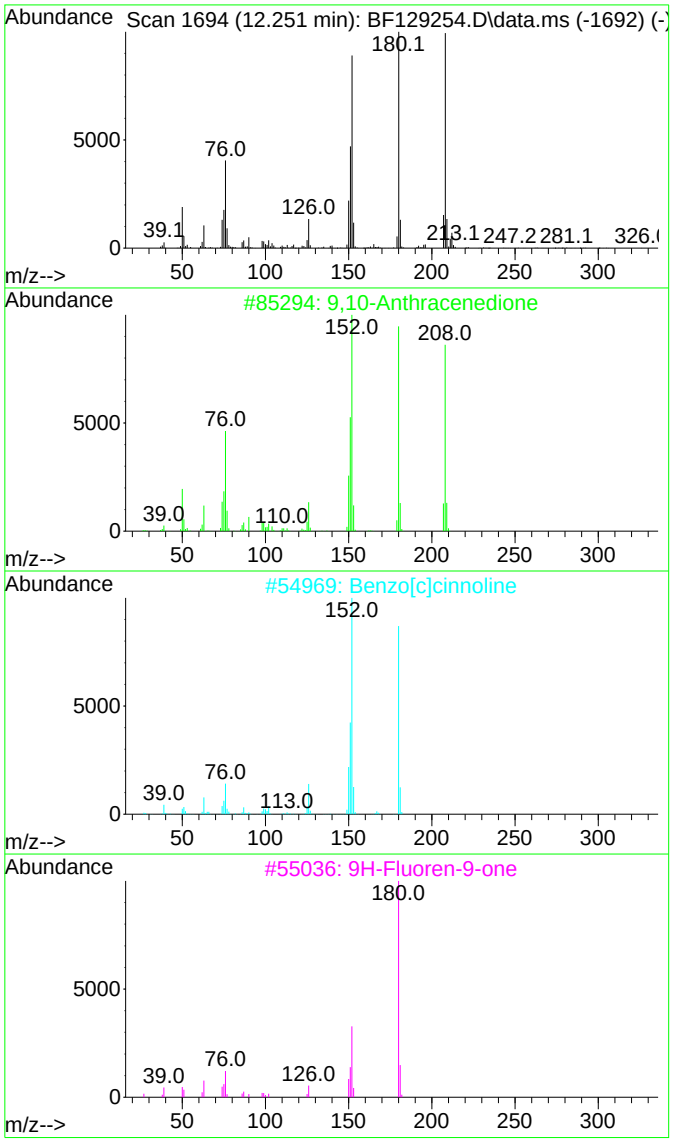
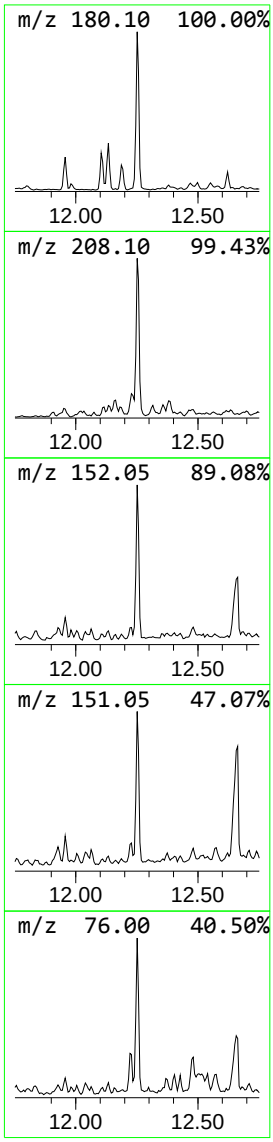
Peak Number 13 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	12.89 ng	973460	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

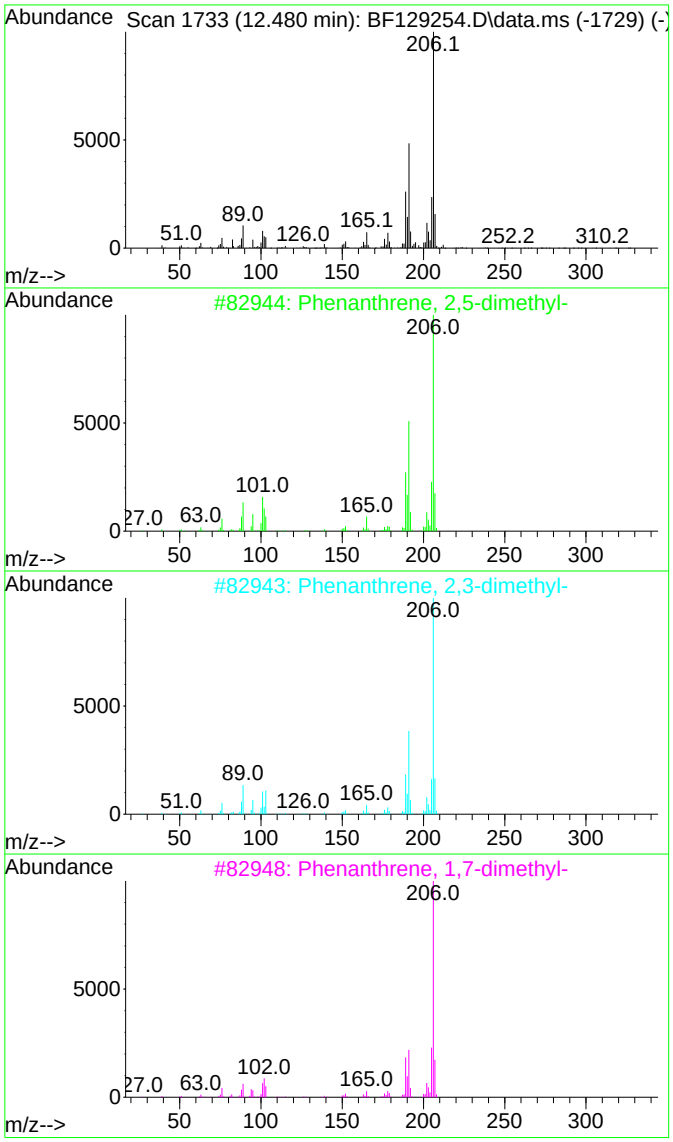
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

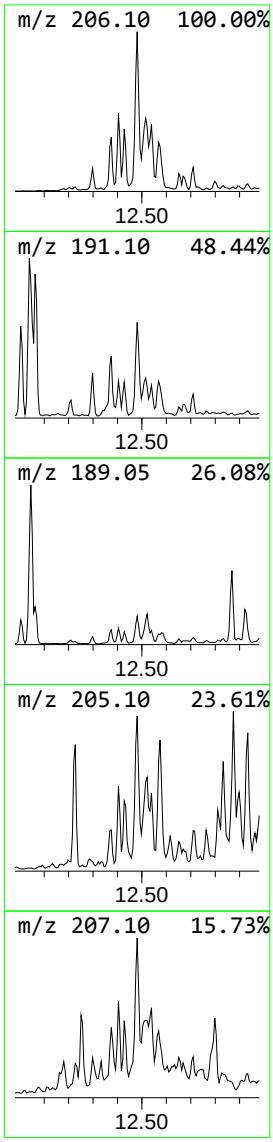
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	17.38 ng	1312790	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	83
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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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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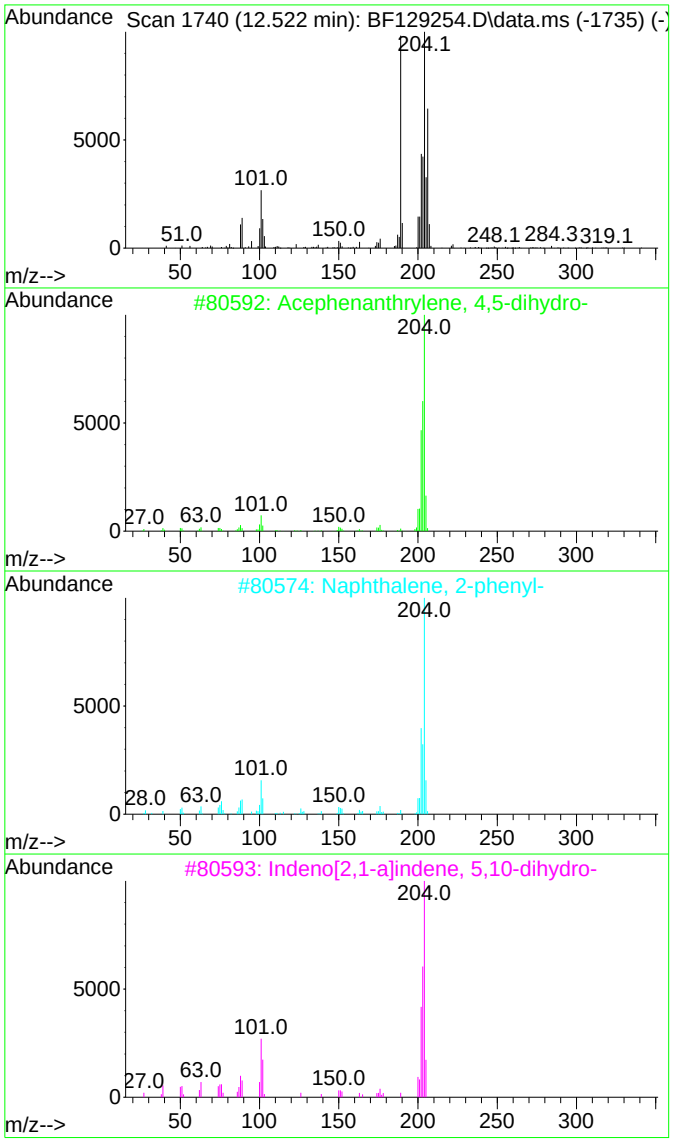
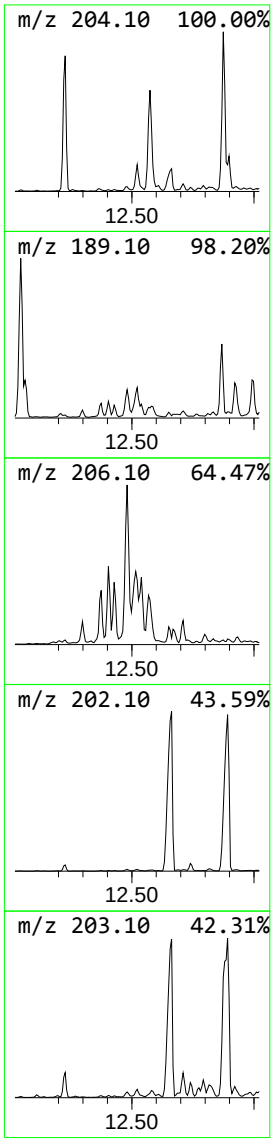
Peak Number 15 unknown12.522 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	14.55 ng	1098890	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	46
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
5	Levamisole	204	C11H12N2S	014769-73-4	30





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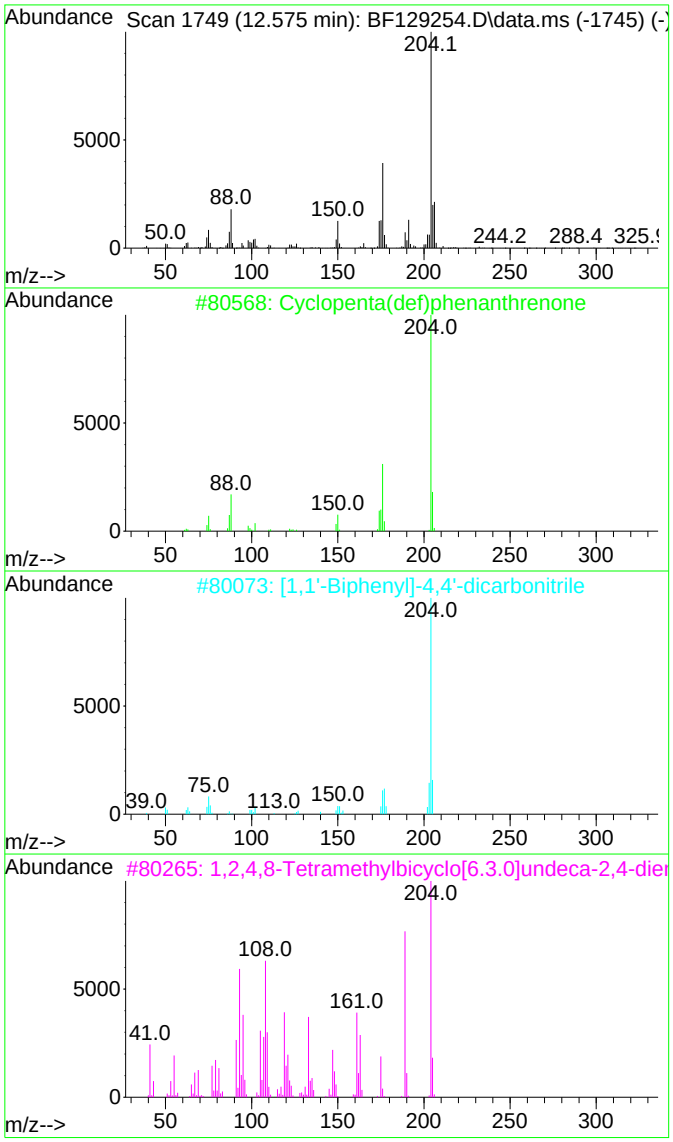
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

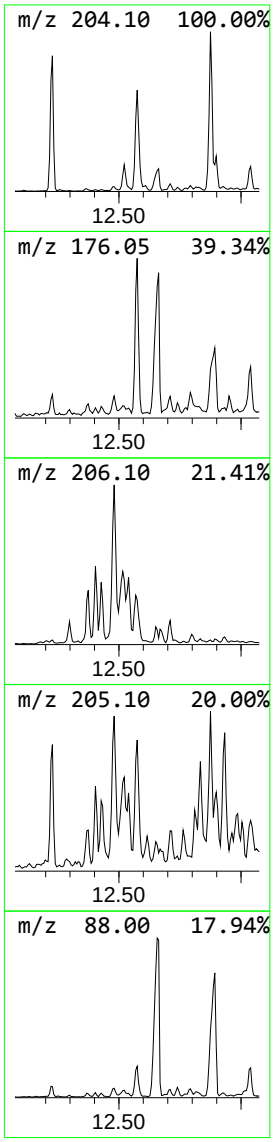
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.575	17.24 ng	1302470	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

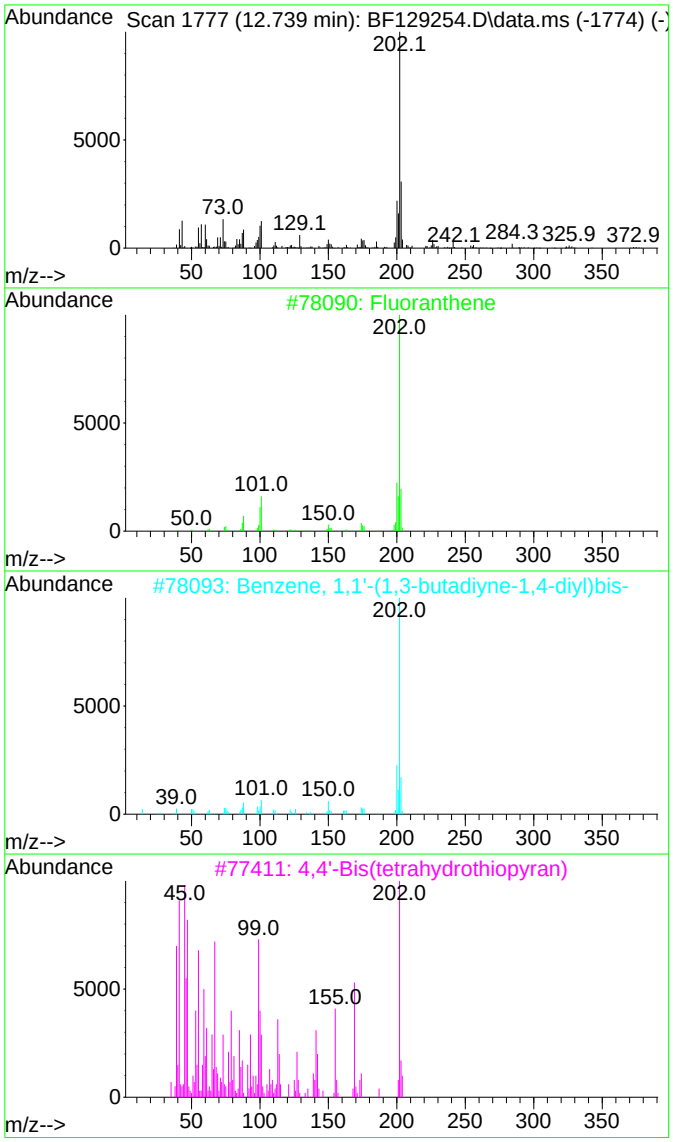
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

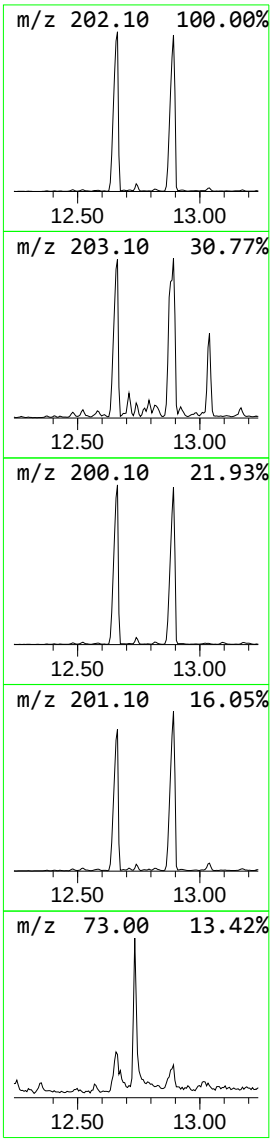
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	10.88 ng	821551	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	91
2	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	60
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	55
4	Pyrene	202	C16H10	000129-00-0	55
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.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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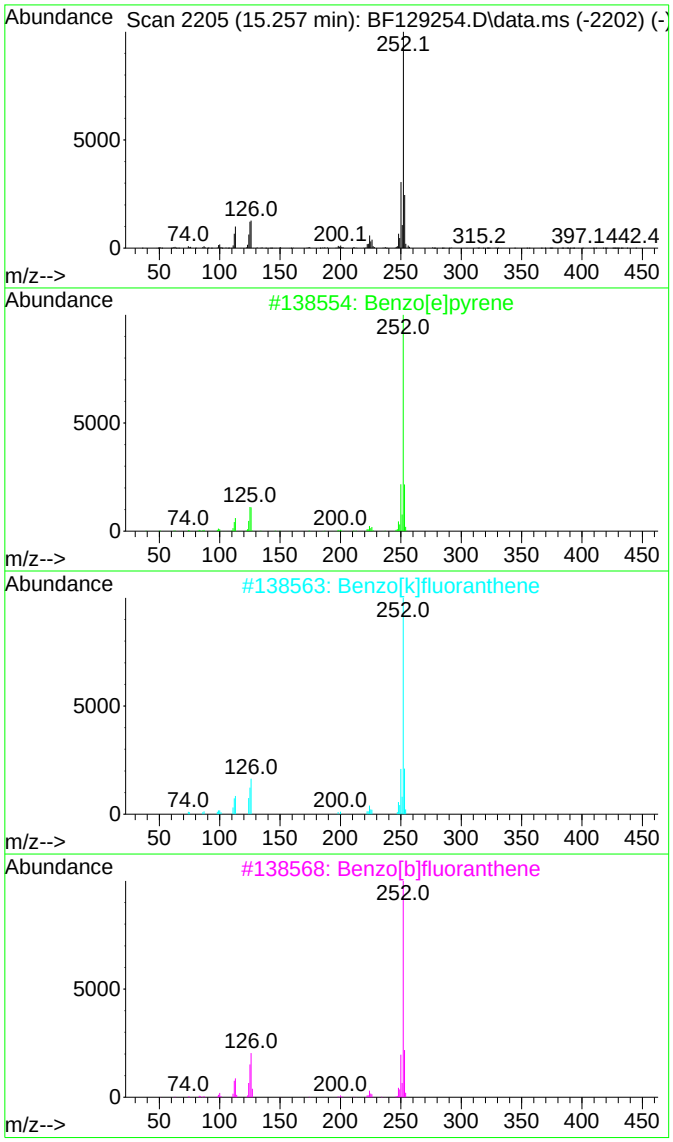
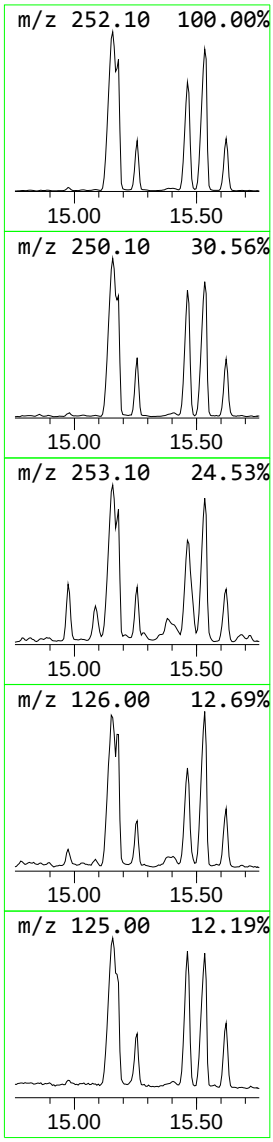
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.257	18.74 ng	1700310	Perylene-d12	15.586

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	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.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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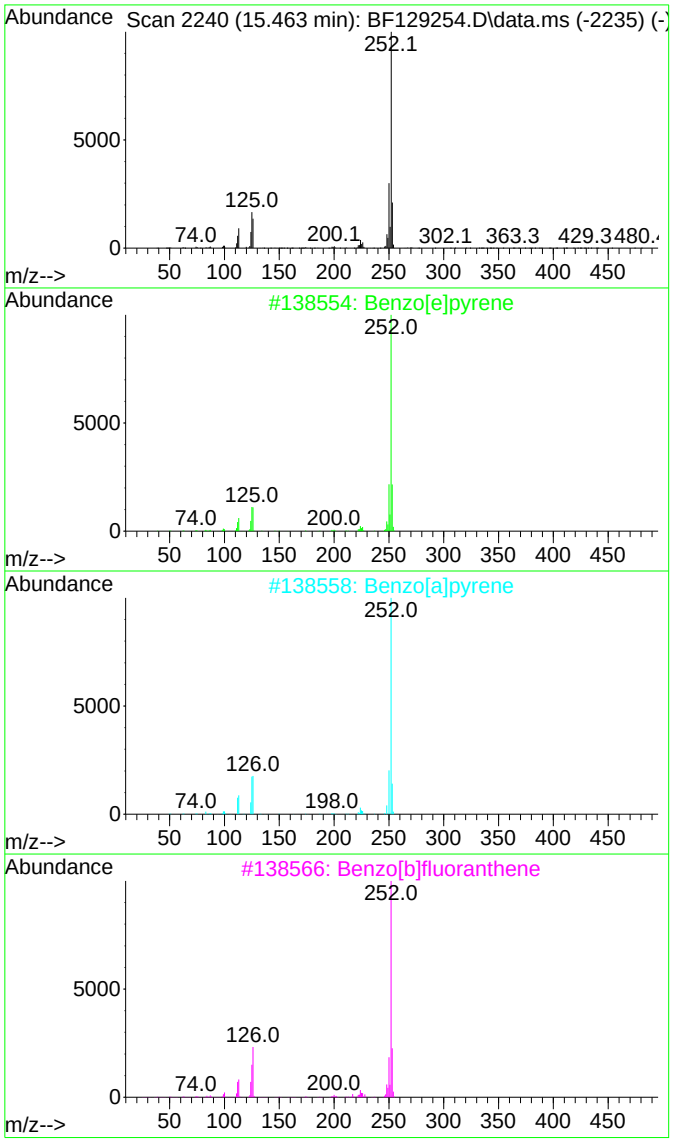
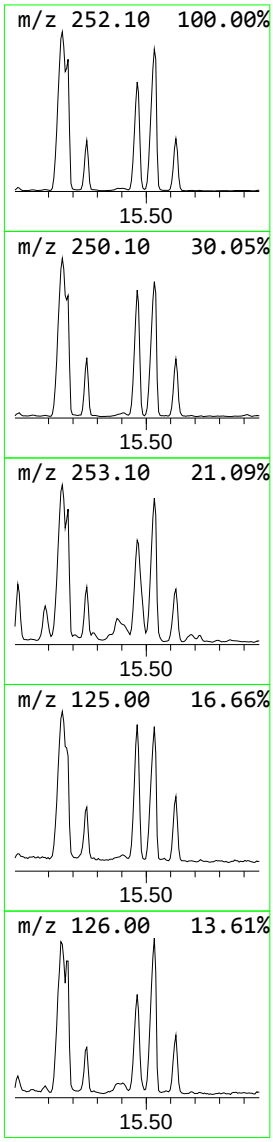
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.463	50.52 ng	4583090	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.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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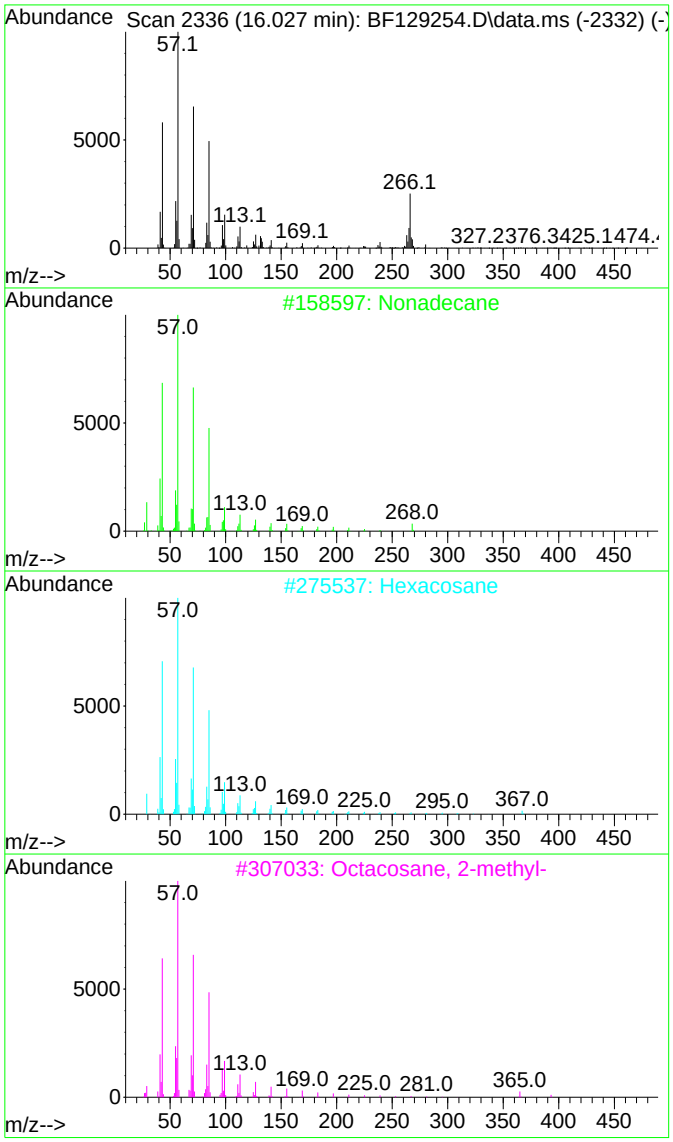
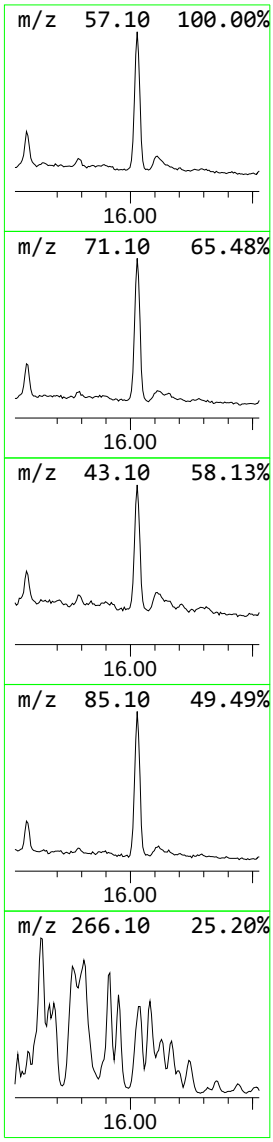
Peak Number 20 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.027	19.73 ng	1789460	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	89
2	Hexacosane	366	C26H54	000630-01-3	76
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	76
4	Octacosane	394	C28H58	000630-02-4	68
5	Tetracosane	338	C24H50	000646-31-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
Data File : BF129254.D
Acq On : 15 Jul 2022 23:39
Operator : CG\JU
Sample : N3731-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.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
unknown10.845	10.845	9.2	ng	697040	4	11.428	1510890	20.0
9H-Fluorene, 1-...	11.033	6.9	ng	522957	4	11.428	1510890	20.0
9H-Fluoren-9-one	11.233	8.4	ng	636756	4	11.428	1510890	20.0
4-(4-Methylphen...	11.281	7.1	ng	535291	4	11.428	1510890	20.0
Dibenzothiophene	11.322	9.7	ng	734636	4	11.428	1510890	20.0
Dibenzothiophen...	11.757	6.0	ng	453238	4	11.428	1510890	20.0
Phenanthrene, 1...	11.928	25.8	ng	1945240	4	11.428	1510890	20.0
Phenanthrene, 2...	11.957	41.6	ng	3143370	4	11.428	1510890	20.0
1H-Cyclopropa[l...	12.004	10.9	ng	826510	4	11.428	1510890	20.0
4H-Cyclopenta[d...	12.045	37.1	ng	2799610	4	11.428	1510890	20.0
Phenanthrene, 4...	12.063	11.4	ng	861450	4	11.428	1510890	20.0
5,16[1',2']:8,1...	12.227	16.1	ng	1216040	4	11.428	1510890	20.0
9,10-Anthracene...	12.251	12.9	ng	973460	4	11.428	1510890	20.0
Phenanthrene, 2...	12.480	17.4	ng	1312790	4	11.428	1510890	20.0
unknown12.522	12.522	14.6	ng	1098890	4	11.428	1510890	20.0
Cyclopenta(def)...	12.575	17.2	ng	1302470	4	11.428	1510890	20.0
Benzene, 1,1'-(...	12.739	10.9	ng	821551	4	11.428	1510890	20.0
Benzo[e]pyrene	15.257	18.7	ng	1700310	6	15.586	1814310	20.0
Benzo[j]fluoran...	15.463	50.5	ng	4583090	6	15.586	1814310	20.0
Nonadecane	16.027	19.7	ng	1789460	6	15.586	1814310	20.0