LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-211

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129833.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.634	55	59	70	rBV	88412	140149	1.13%	0.102%
2	5.051	467	470	484	rBV	121757	165020	1.33%	0.120%
3	5.469	537	541	558	rBV	3159392	3095221	25.01%	2.247%
4	6.481	709	713	726	rBV	2799132	2912058	23.53%	2.114%
5	6.822	768	771	778	rBV	875485	689956	5.57%	0.501%
6	7.087	812	816	831	rBV	174377	265962	2.15%	0.193%
7	7.392	863	868	871	rBV	2020104	1753745	14.17%	1.273%
8	8.104	985	989	991	rBV	969919	825341	6.67%	0.599%
9	8.757	1097	1100	1107	rVB2	115199	154394	1.25%	0.112%
10	8.886	1117	1122	1125	rBV2	193812	214481	1.73%	0.156%
11	9.181	1165	1172	1175	rBV	3714535	3016632	24.37%	2.190%
12	9.516	1225	1229	1232	rBV3	90100	129246	1.04%	0.094%
13	9.728	1261	1265	1268	rVB	900652	816361	6.60%	0.593%
14	9.863	1285	1288	1291	rBV	894070	761804	6.16%	0.553%
15	9.892	1291	1293	1297	rVB	249328	216483	1.75%	0.157%
16	10.063	1320	1322	1325	rBV	244408	211582	1.71%	0.154%
17	10.410	1378	1381	1387	rVB	346707	316674	2.56%	0.230%
18	10.657	1417	1423	1427	rBV	2119813	1879634	15.19%	1.365%
19	10.757	1436	1440	1442	rBV2	185029	200239	1.62%	0.145%
20	10.786	1442	1445	1450	rVB	362428	321063	2.59%	0.233%
21	11.110	1498	1500	1504	rVB2	157869	151286	1.22%	0.110%
22	11.169	1506	1510	1514	rBV2	1055885	1377128	11.13%	1.000%
23	11.198	1514	1515	1519	rVV3	163130	161111	1.30%	0.117%
24	11.251	1521	1524	1529	rVB	359267	318562	2.57%	0.231%
25	11.304	1530	1533	1536	rBV	212838	208059	1.68%	0.151%
26	11.357	1538	1542	1543	rBV	765947	699719	5.65%	0.508%
27	11.386	1543	1547	1550	rVV	5168453	4585769	37.05%	3.329%
28	11.433	1550	1555	1559	rVV	3089603	2992506	24.18%	2.173%
29	11.469	1559	1561	1565	rVB	241861	217519	1.76%	0.158%
30	11.592	1576	1582	1586	rBV2	1612749	2000415	16.16%	1.452%
31	11.645	1589	1591	1593	rVV	219061	147496	1.19%	0.107%
32	11.769	1610	1612	1617	rVB3	131676	144957	1.17%	0.105%
33	11.857	1624	1627	1629	rBV	653383	564503	4.56%	0.410%
34	11.886	1629	1632	1636	rVB2	1350321	1255714	10.15%	0.912%
35	11.933	1637	1640	1643	rVB	517417	444257	3.59%	0.323%
36	11.975	1643	1647	1649	rBV	856290	1028677	8.31%	0.747%

LSC Area Percent Report

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Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-211

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.045	1656	1659	1661	rBV2	212117	238169	1.92%	0.173%
38	12.069	1661	1663	1665	rVV2	250258	217819	1.76%	0.158%
39	12.098	1665	1668	1671	rVV3	235641	321807	2.60%	0.234%
40	12.151	1674	1677	1680	rVB2	750484	646742	5.23%	0.470%
41	12.192	1681	1684	1688	rBV	2150360	2218988	17.93%	1.611%
42	12.333	1706	1708	1710	rVB2	209234	152568	1.23%	0.111%
43	12.363	1710	1713	1716	rVB	236021	218803	1.77%	0.159%
44	12.410	1718	1721	1724	rBV	550974	650236	5.25%	0.472%
45	12.463	1727	1730	1734	rVB2	839582	926469	7.49%	0.673%
46	12.516	1734	1739	1745	rBV	1368421	1880031	15.19%	1.365%
47	12.598	1746	1753	1755	rBV	8708492	11750794	94.94%	8.531%
48	12.645	1758	1761	1763	rBV2	337214	336760	2.72%	0.244%
49	12.674	1763	1766	1770	rVB3	470125	632203	5.11%	0.459%
50	12.727	1772	1775	1778	rBV2	915553	960709	7.76%	0.697%
51	12.827	1784	1792	1795	rBV2	7570567	12376729	100.00%	8.985%
52	12.857	1795	1797	1801	rVB2	913857	893161	7.22%	0.648%
53	12.945	1806	1812	1815	rBV2	3167643	3895426	31.47%	2.828%
54	12.980	1815	1818	1822	rVB	1581865	1787317	14.44%	1.298%
55	13.033	1822	1827	1831	rBV3	898239	1551198	12.53%	1.126%
56	13.116	1838	1841	1843	rBV2	1079724	1444830	11.67%	1.049%
57	13.145	1843	1846	1850	rVB	1556831	1684511	13.61%	1.223%
58	13.210	1854	1857	1859	rVV	1293065	1192121	9.63%	0.865%
59	13.245	1859	1863	1870	rVB3	1193223	1921195	15.52%	1.395%
60	13.339	1876	1879	1881	rBV	993109	937101	7.57%	0.680%
61	13.369	1882	1884	1893	rVB3	701408	1047805	8.47%	0.761%
62	13.433	1893	1895	1900	rBV3	502964	658234	5.32%	0.478%
63	13.498	1904	1906	1911	rVB3	359758	497435	4.02%	0.361%
64	13.663	1930	1934	1936	rBV	1731529	1665698	13.46%	1.209%
65	13.769	1948	1952	1954	rBV	1978224	2099906	16.97%	1.525%
66	13.792	1954	1956	1958	rVV	1416949	1256812	10.15%	0.912%
67	13.821	1958	1961	1967	rVV3	1688862	2821020	22.79%	2.048%
68	13.874	1967	1970	1975	rVB2	1223526	1840279	14.87%	1.336%
69	14.016	1989	1994	1997	rBV2	2952142	4921066	39.76%	3.573%
70	14.069	1997	2003	2007	rVB	6651847	11005634	88.92%	7.990%
71	14.133	2011	2014	2015	rBV	653031	586177	4.74%	0.426%
72	14.239	2030	2032	2033	rBV	415624	323235	2.61%	0.235%
73	14.286	2037	2040	2042	rBV3	411167	409486	3.31%	0.297%
74	14.404	2056	2060	2063	rVB2	726751	1052846	8.51%	0.764%
75	14.457	2064	2069	2072	rBV3	967917	1485559	12.00%	1.078%
76	14.733	2113	2116	2118	rBV2	581521	626389	5.06%	0.455%

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Sample : N4191-06
Misc :
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Instrument :
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ClientSampleId :
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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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.868	2137	2139	2143	rBV	419706	453381	3.66%	0.329%
78	14.910	2144	2146	2150	rVB2	603519	629247	5.08%	0.457%
79	15.092	2169	2177	2183	rVB2	4366502	10627792	85.87%	7.716%
80	15.386	2222	2227	2233	rVV	2239287	3304990	26.70%	2.399%
81	15.451	2234	2238	2244	rVB	1937201	2800491	22.63%	2.033%
82	15.892	2310	2313	2318	rVB	657015	912443	7.37%	0.662%
83	17.009	2500	2503	2510	rVB2	1207237	2274797	18.38%	1.651%
84	17.462	2577	2580	2590	rVB	628427	1223048	9.88%	0.888%

Sum of corrected areas: 137743180

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
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Sample : N4191-06
Misc :
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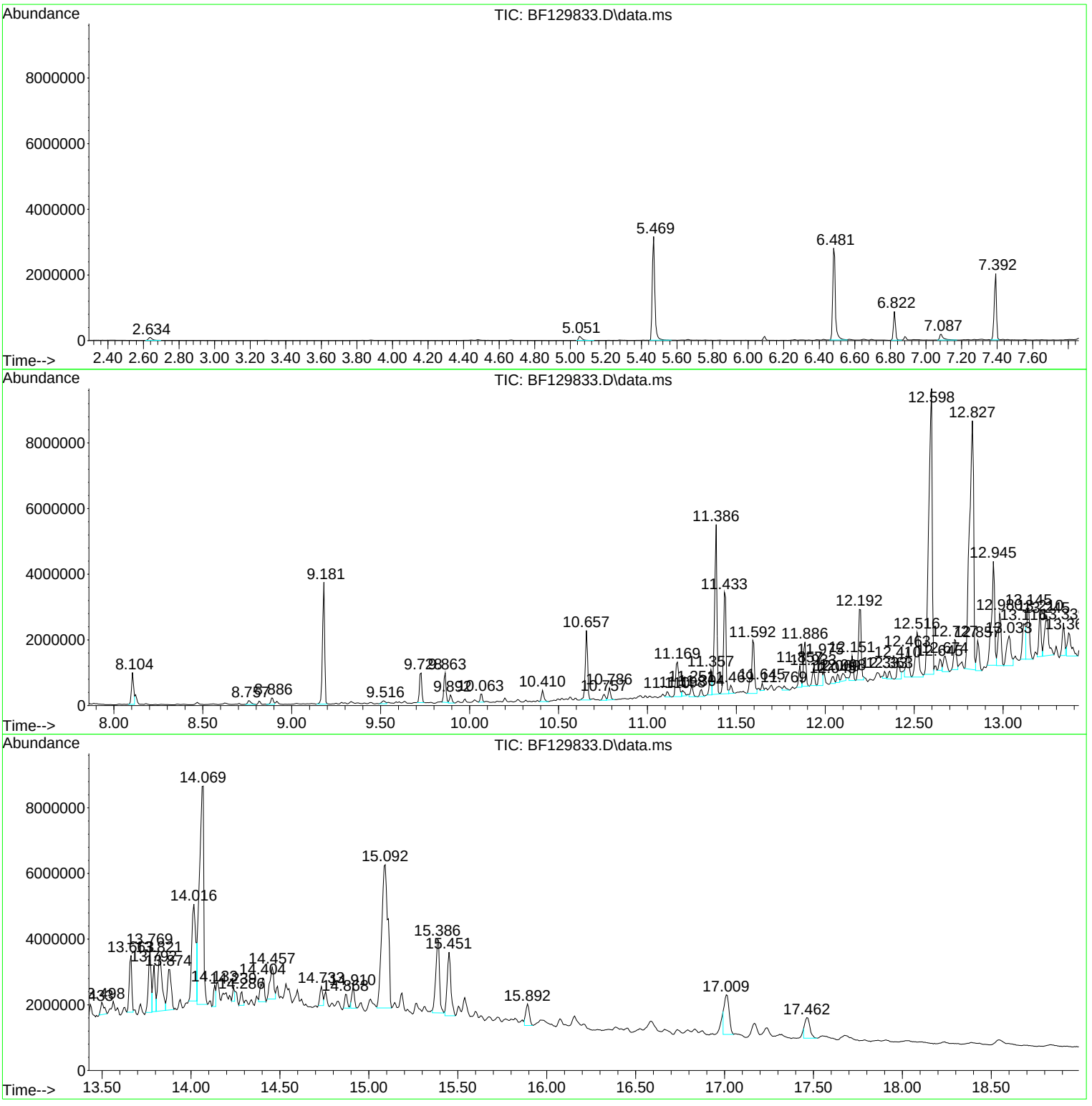
Instrument :
BNA_F
ClientSampleId :
RO-211

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

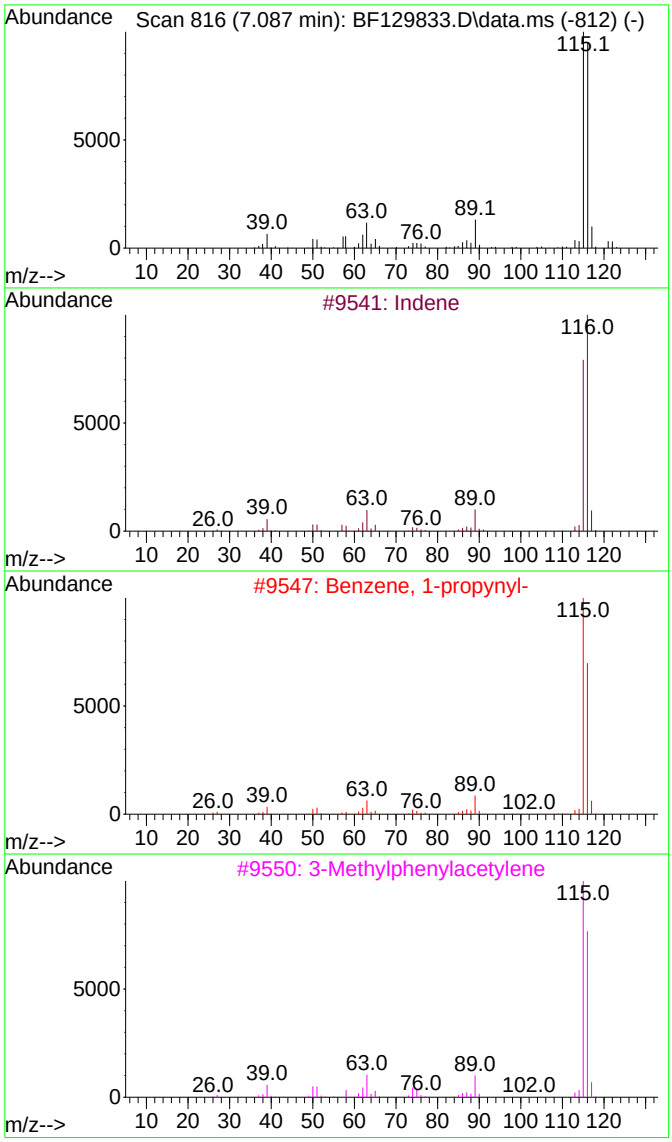
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

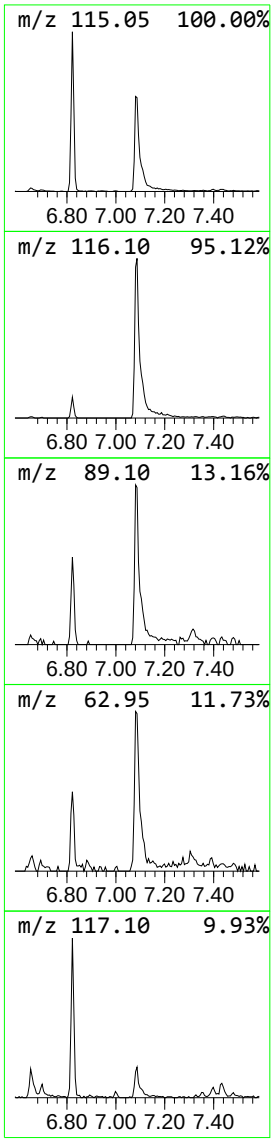
****

Peak Number 1 Indene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.087	7.71 ng	265962	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
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Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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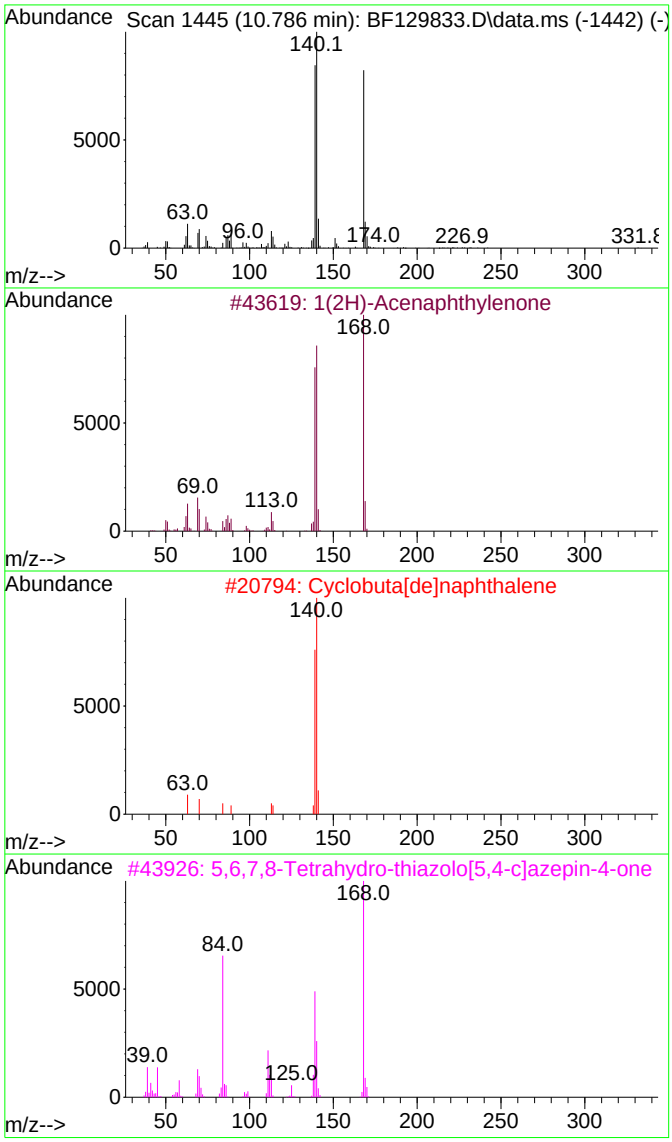
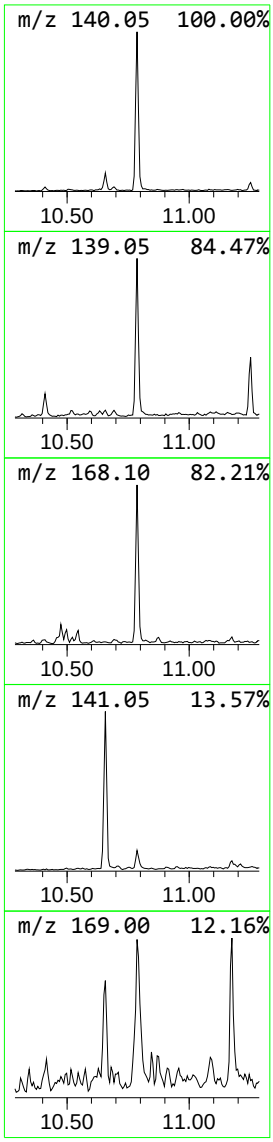
Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.786	9.18 ng	321063	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	60
3	5,6,7,8-Tetrahydro-thiazolo[5,4-...	168	C7H8N2OS	1000317-75-4	59
4	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	53
5	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
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ALS Vial : 22 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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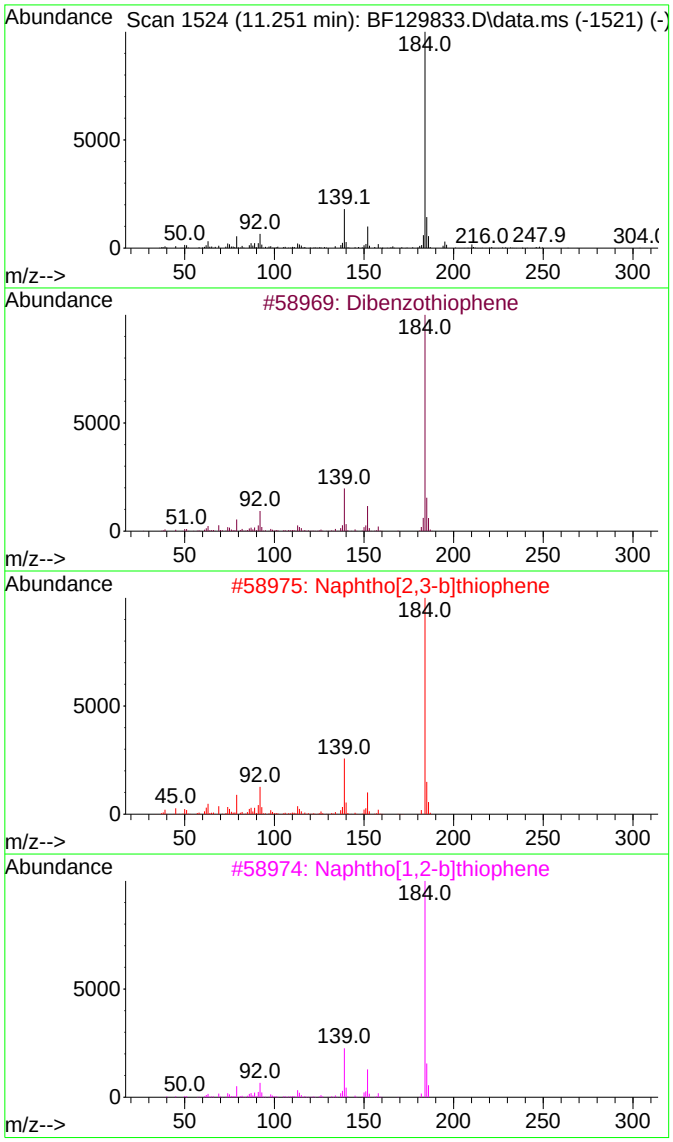
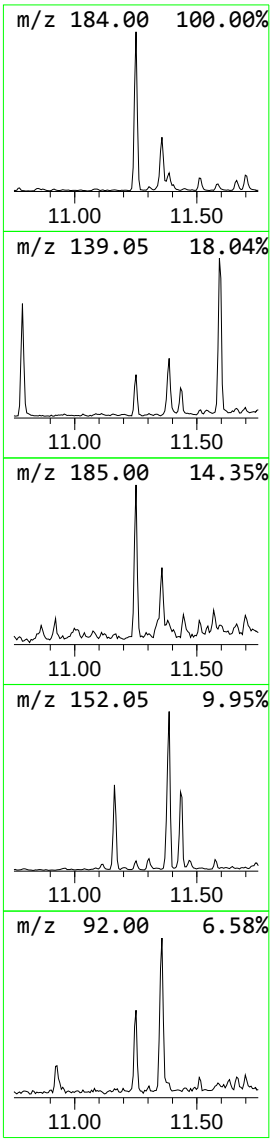
Peak Number 3 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	9.11 ng	318562	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
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ALS Vial : 22 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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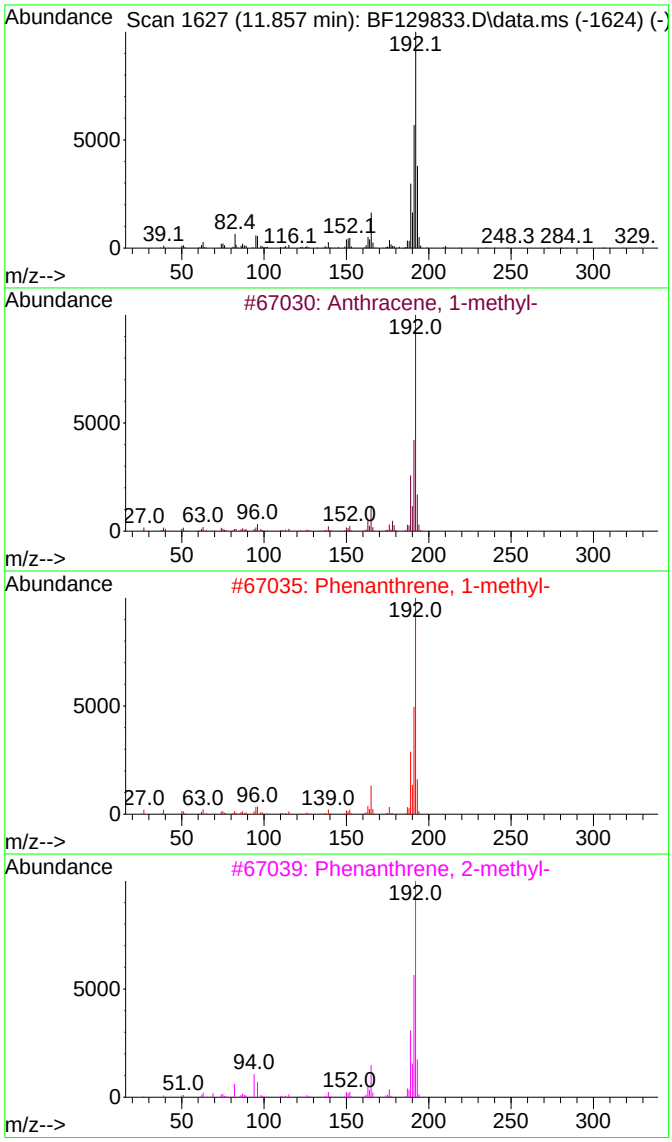
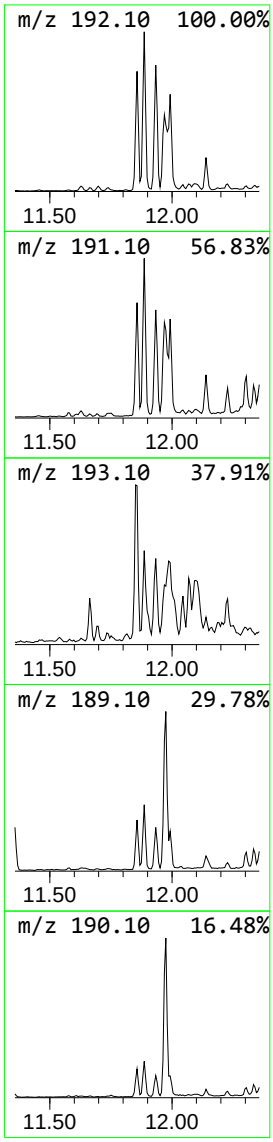
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	16.14 ng	564503	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-211

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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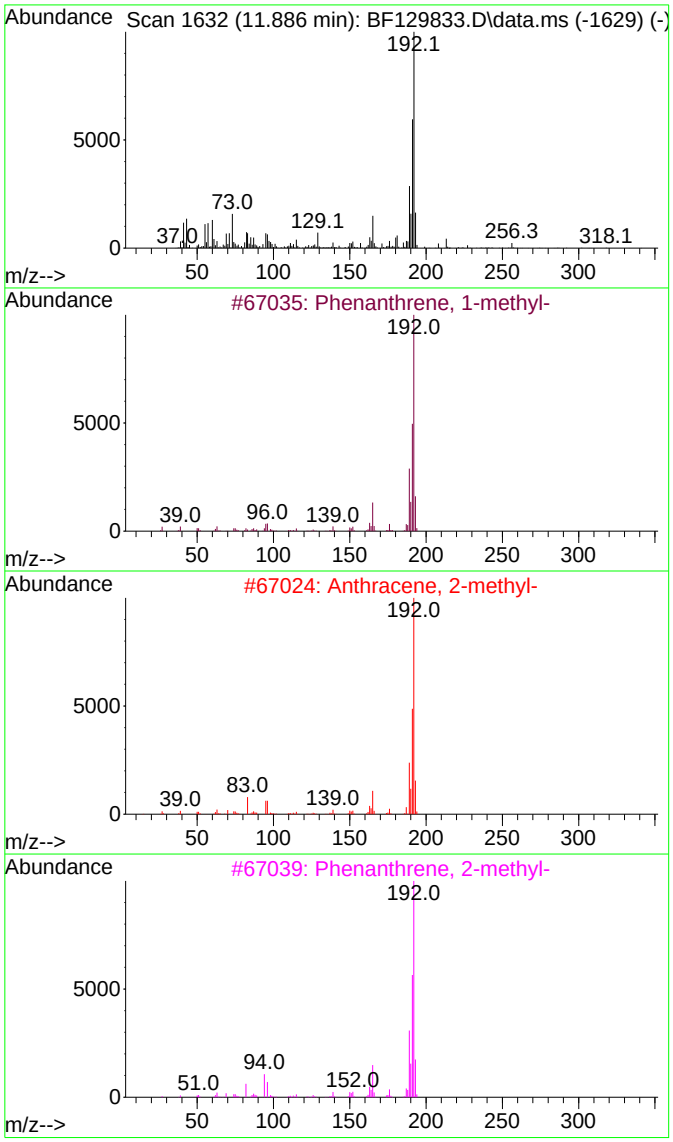
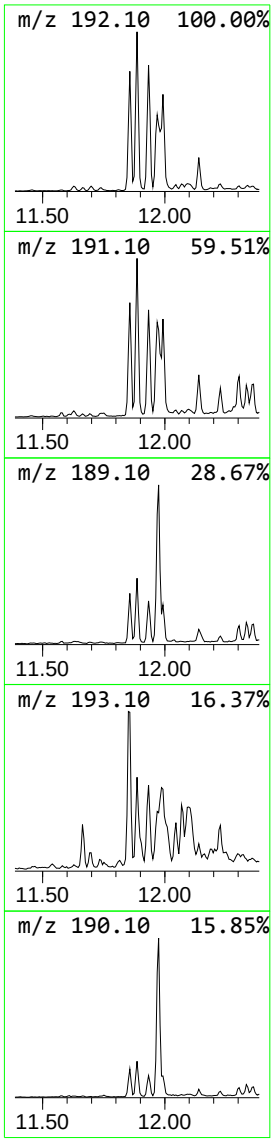
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	35.89 ng	1255710	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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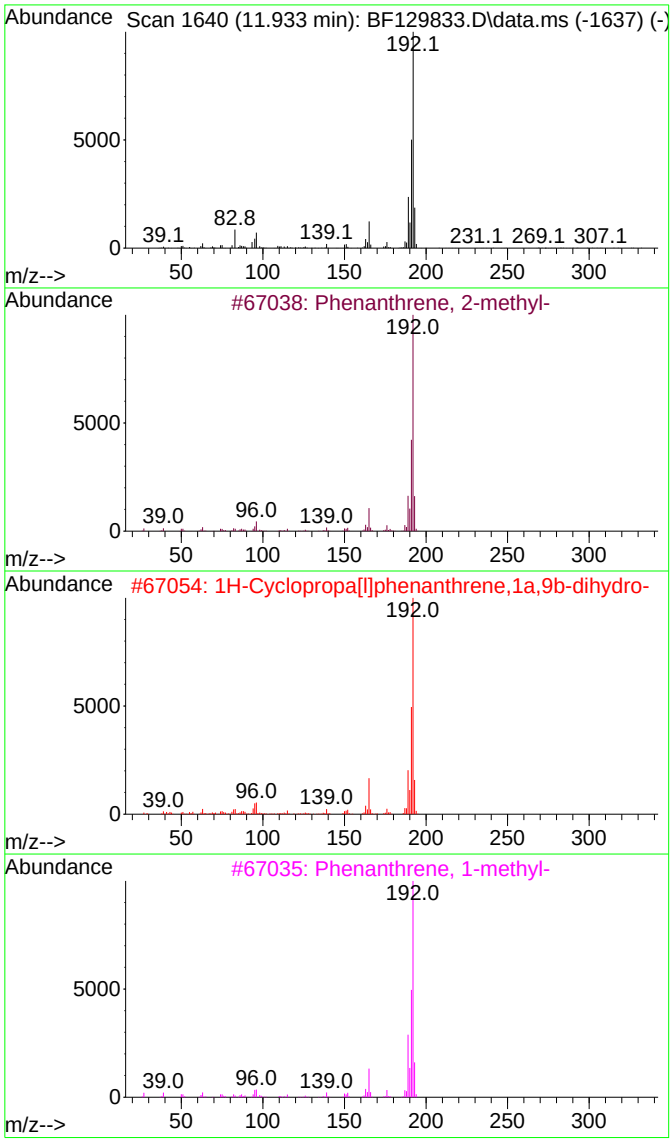
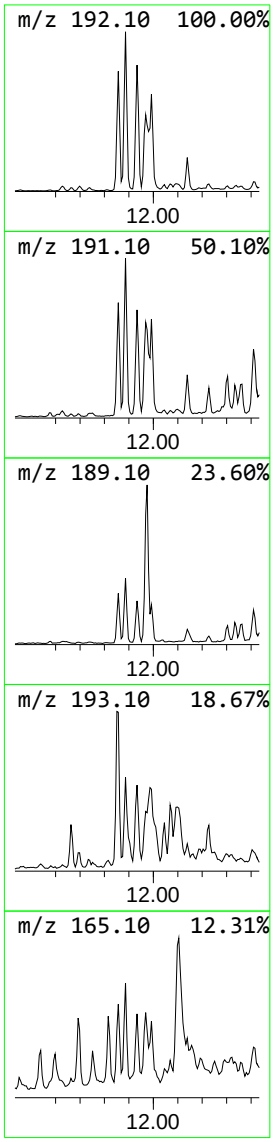
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	12.70 ng	444257	Phenanthrene-d10	11.357

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, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RO-211

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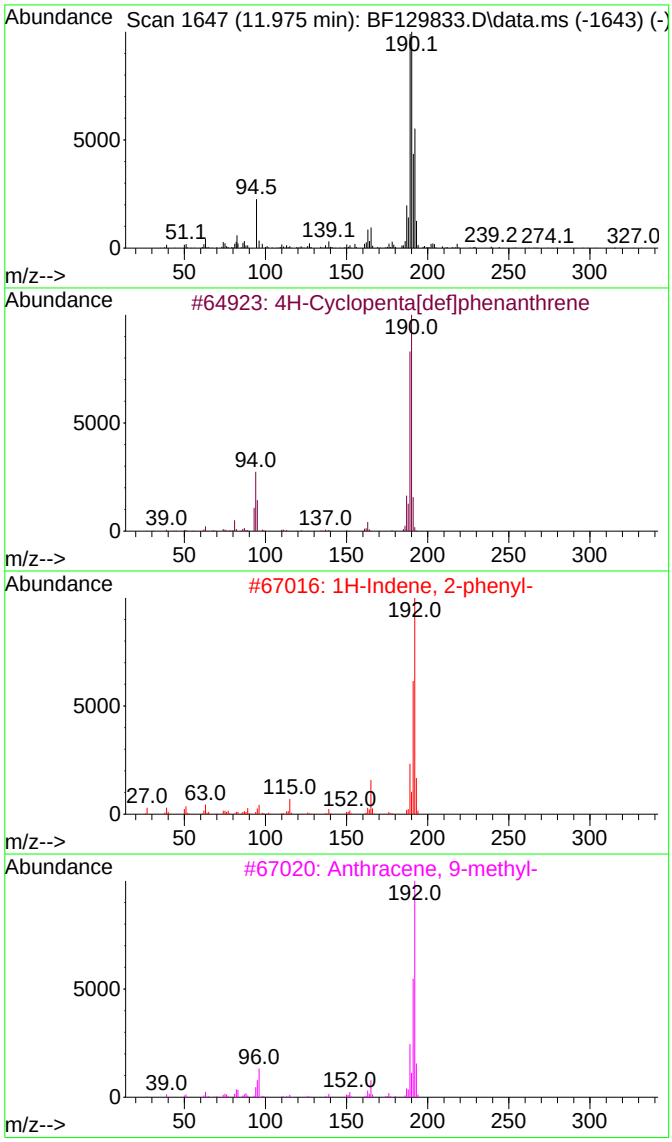
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

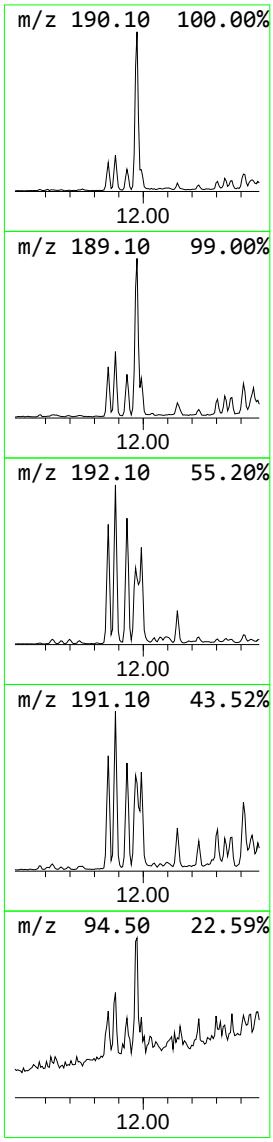
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	29.40 ng	1028680	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	22
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	22
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	18





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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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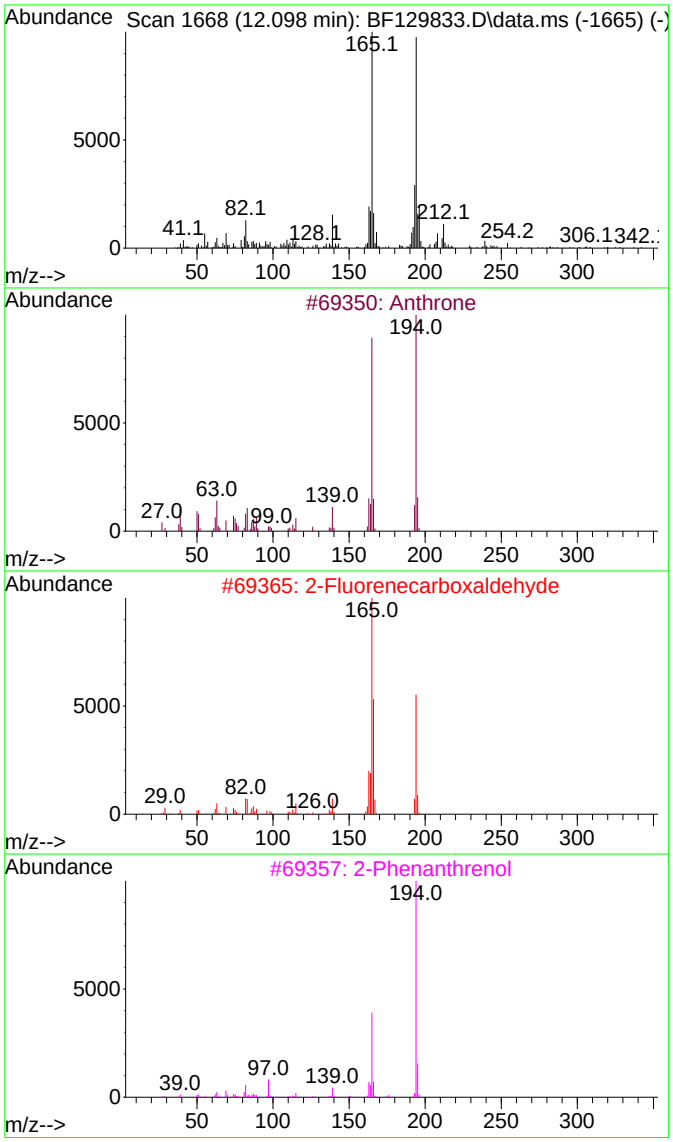
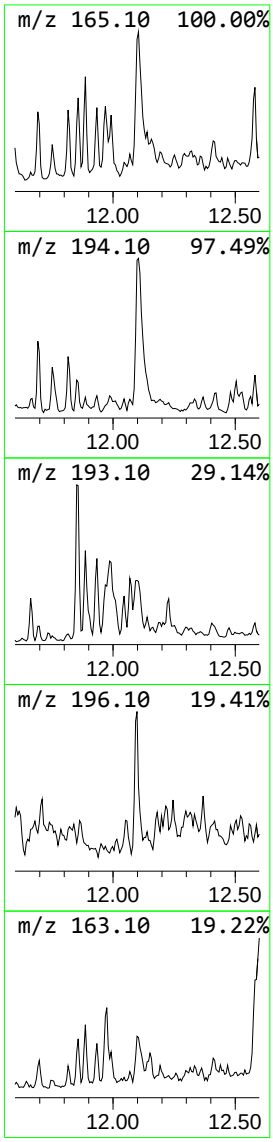
Peak Number 8 Anthrone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	9.20 ng	321807	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	81
2	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	76
3	2-Phenanthrenol	194	C14H10O	000605-55-0	76
4	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	76
5	3-Phenanthrol	194	C14H10O	000605-87-8	70





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
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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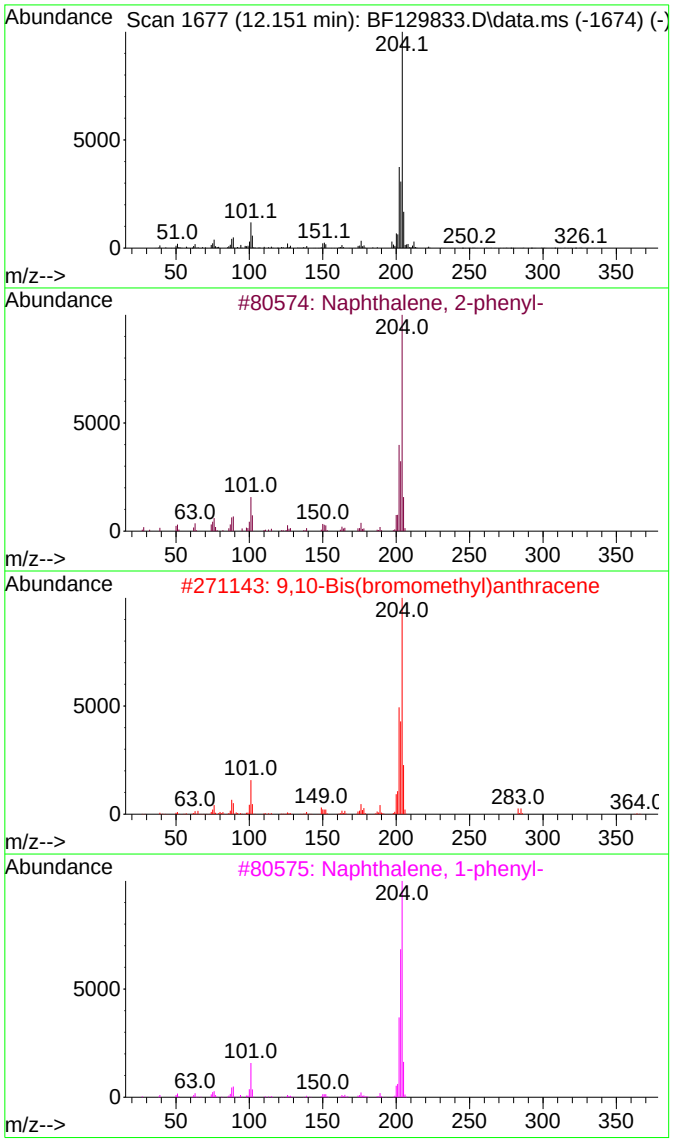
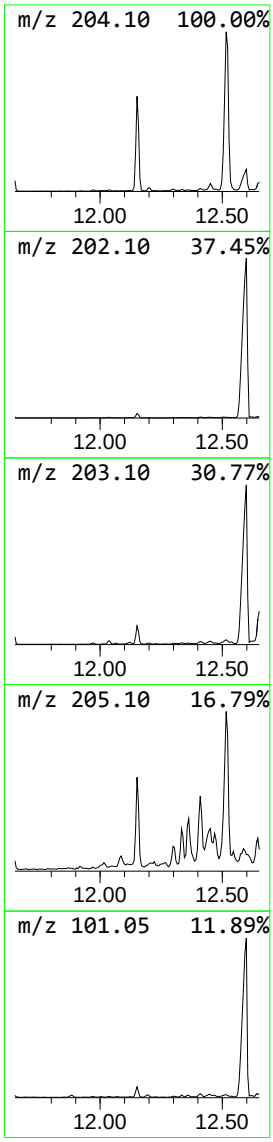
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	18.49 ng	646742	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	53





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

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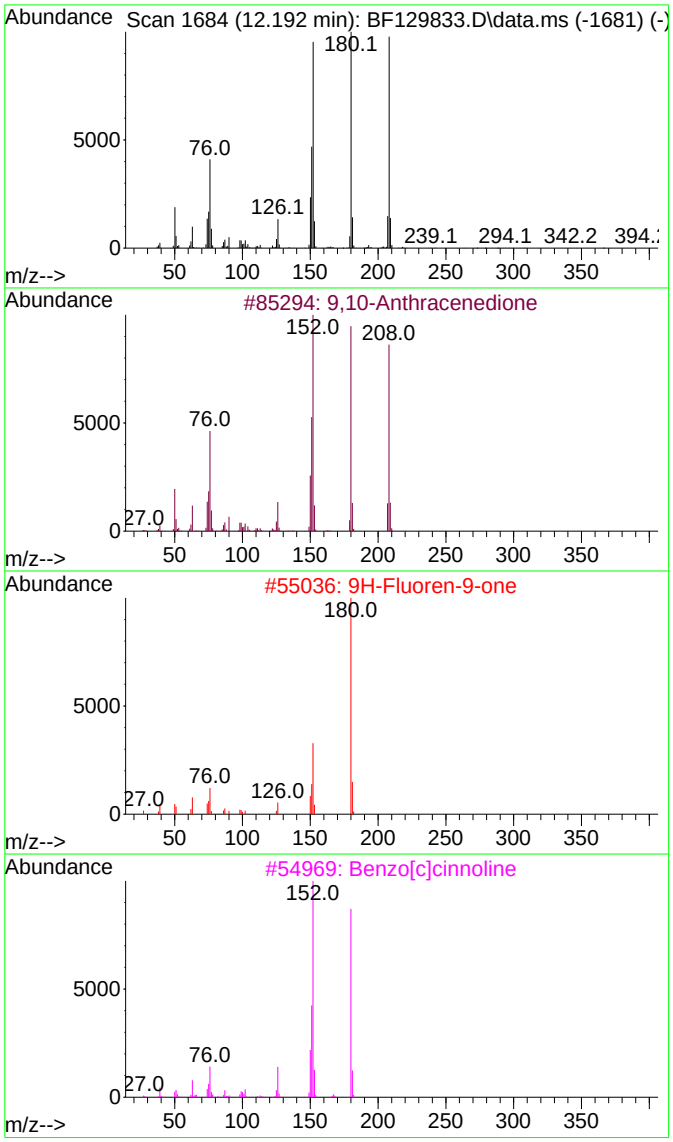
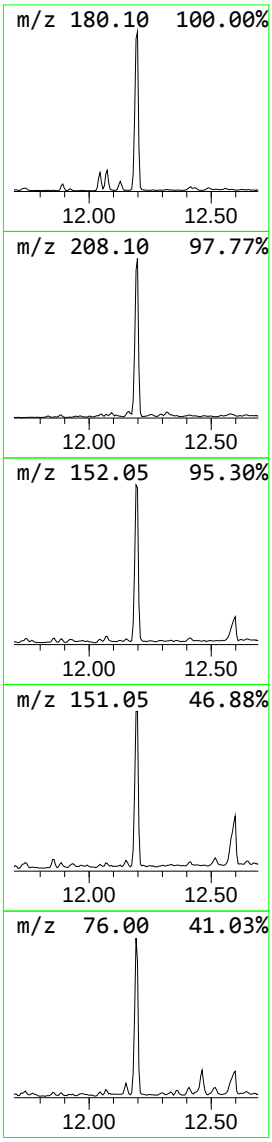
Peak Number 10 9,10-Anthracenedione Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	63.43 ng	2218990	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58





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Misc :
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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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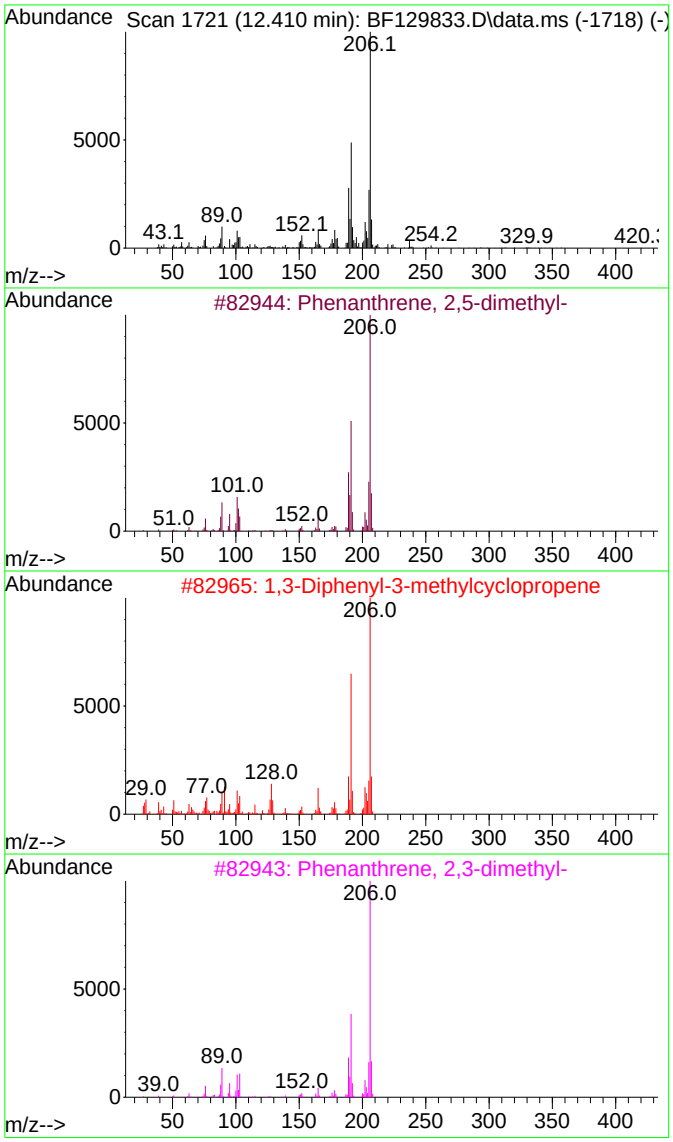
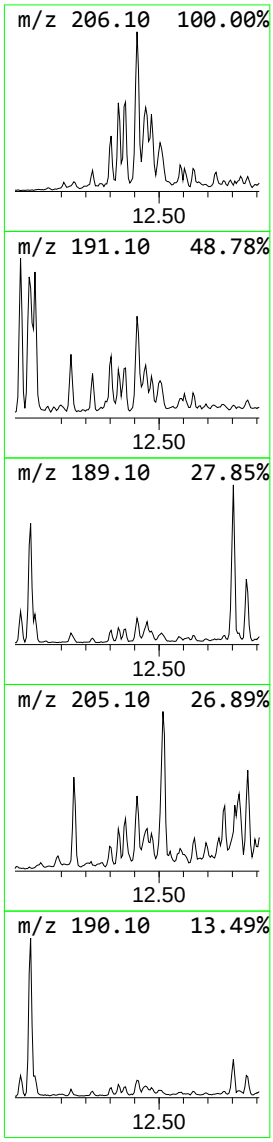
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	18.59 ng	650236	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Misc :
ALS Vial : 22 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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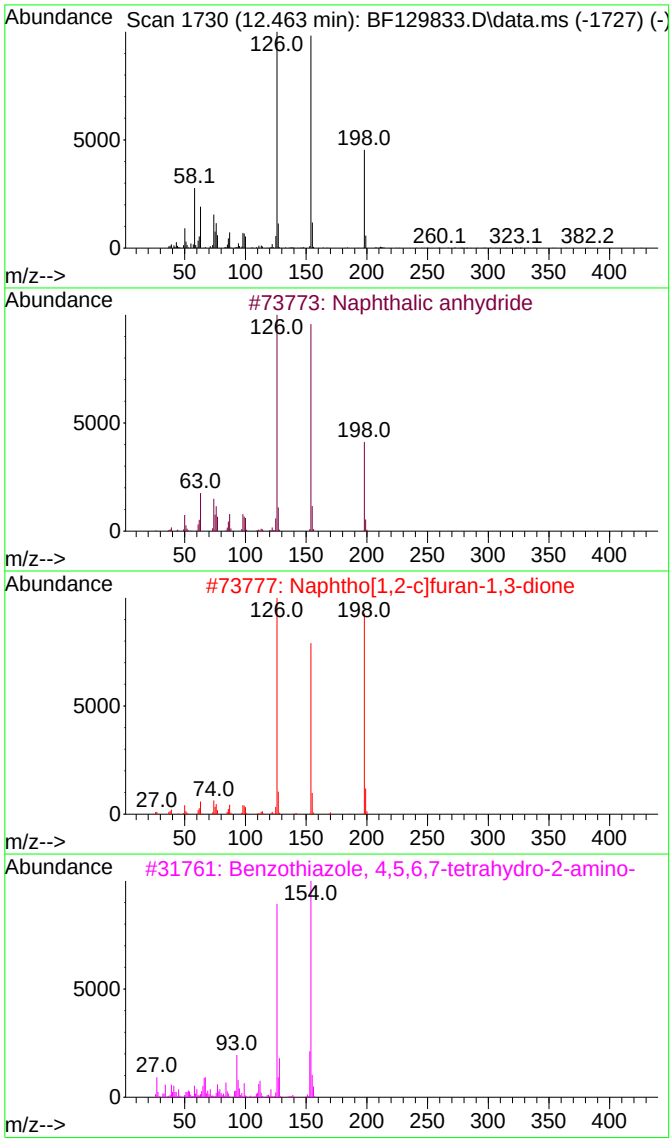
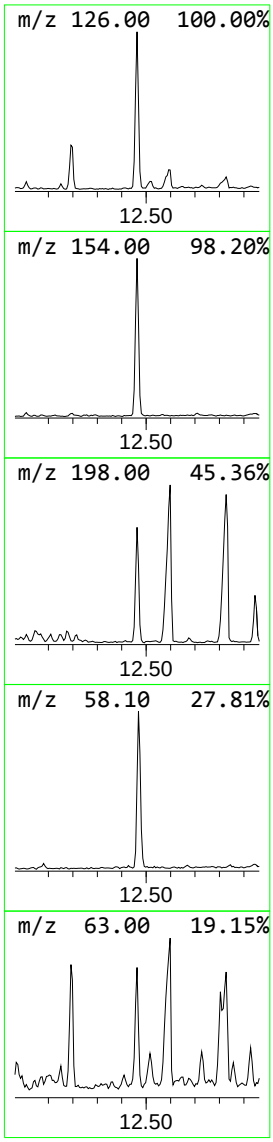
Peak Number 12 Naphthalic anhydride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	26.48 ng	926469	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	99
2	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	72
3	Benzothiazole, 4,5,6,7-tetrahydr...	154	C7H10N2S	002933-29-1	50
4	3,5-Dihydroxytropolone	154	C7H6O4	1000433-34-7	50
5	1H-Benz[f]indene-1,3(2H)-dione, ...	228	C13H8O4	038627-57-5	49





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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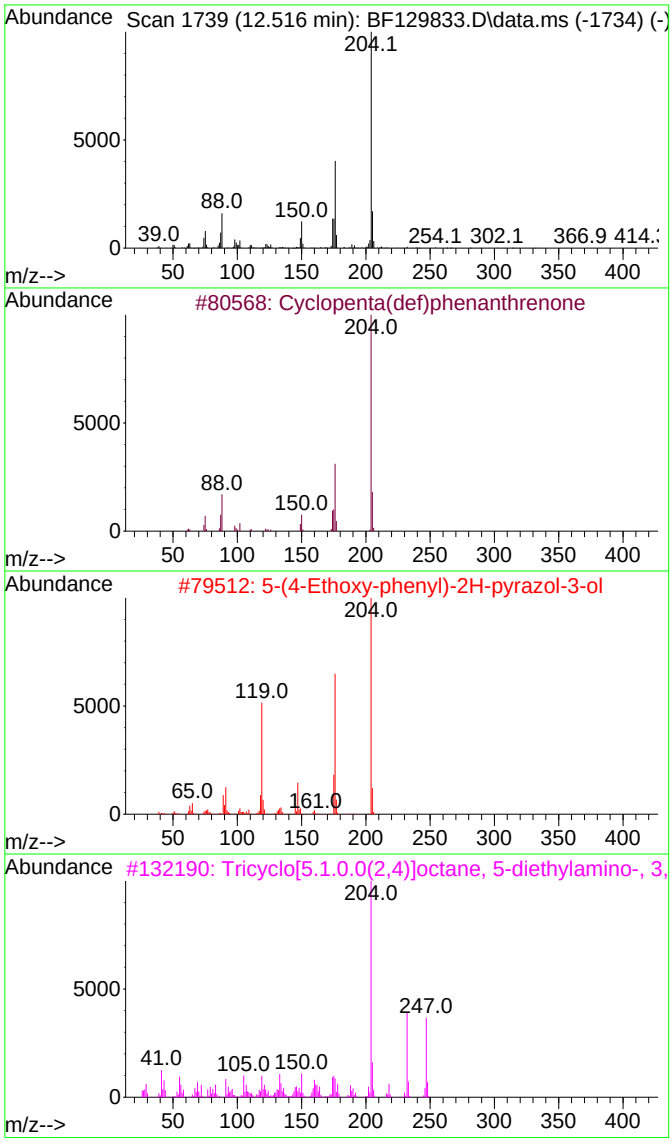
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

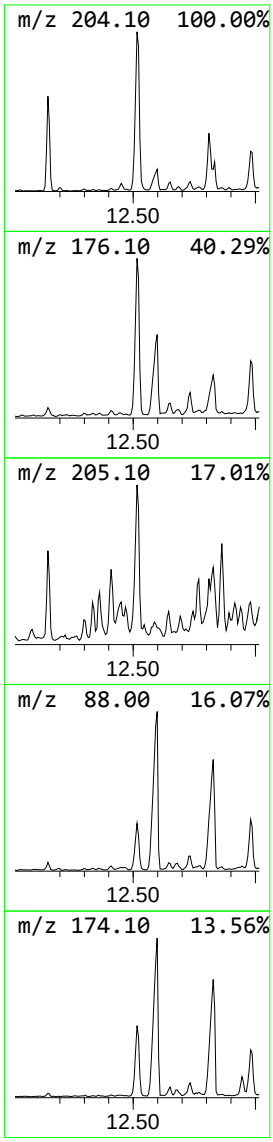
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	53.74 ng	1880030	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	64
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
4	4-Formyl-7-methoxycoumarin	204	C11H8O4	1000429-03-0	50
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	46





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ALS Vial : 22 Sample Multiplier: 1

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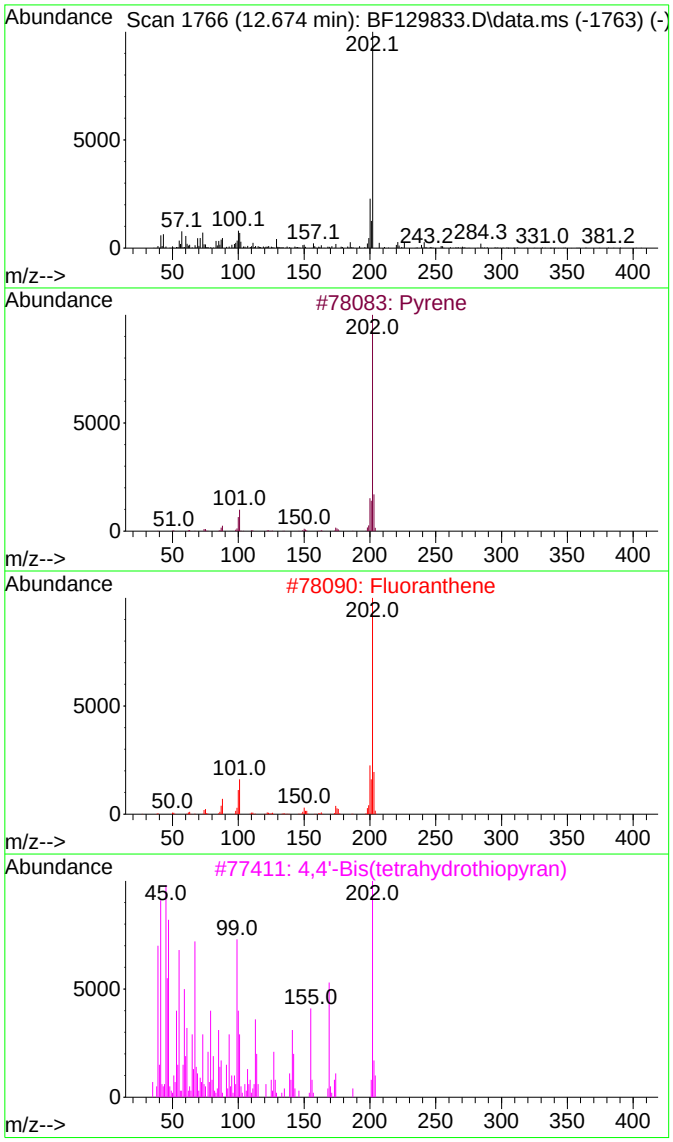
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

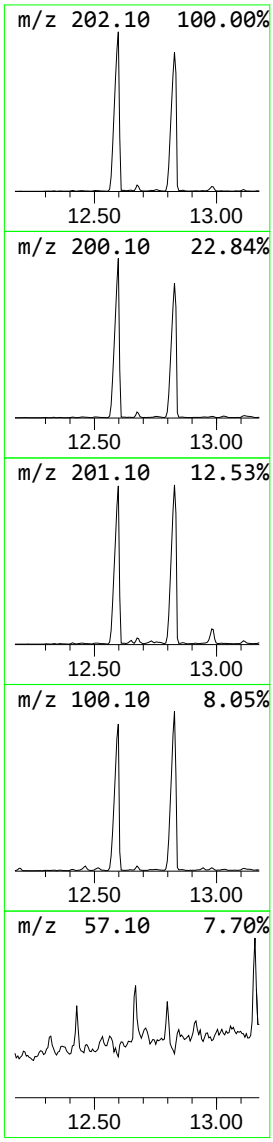
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.675	18.07 ng	632203	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	64
2	Fluoranthene	202	C16H10	000206-44-0	64
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	53
5	Succinic acid, di(4-cyanophenyl)...	320	C18H12N2O4	1000360-71-2	28





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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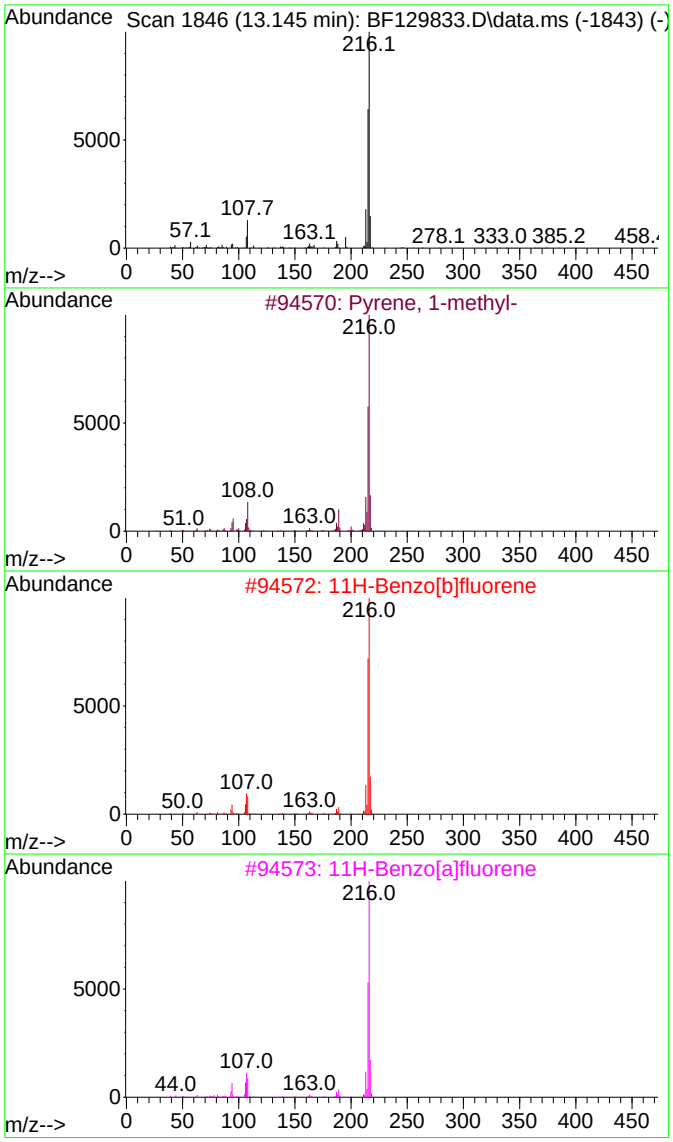
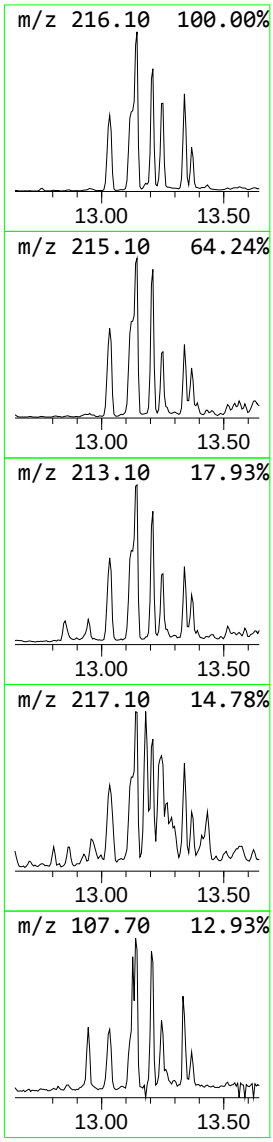
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	6.85 ng	1684510	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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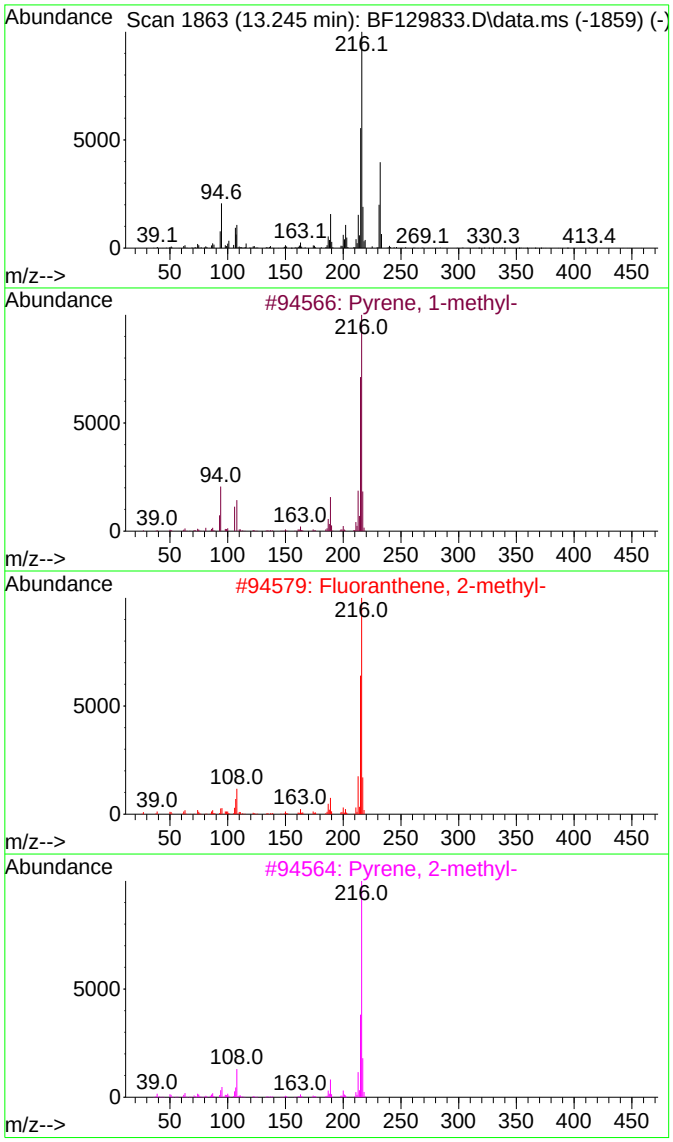
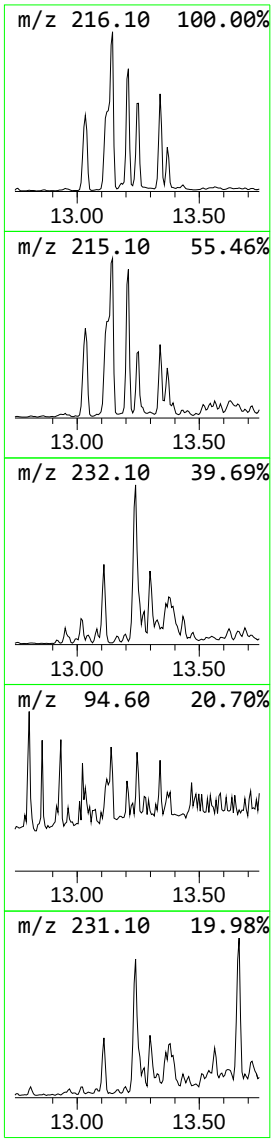
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	7.81 ng	1921200	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





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

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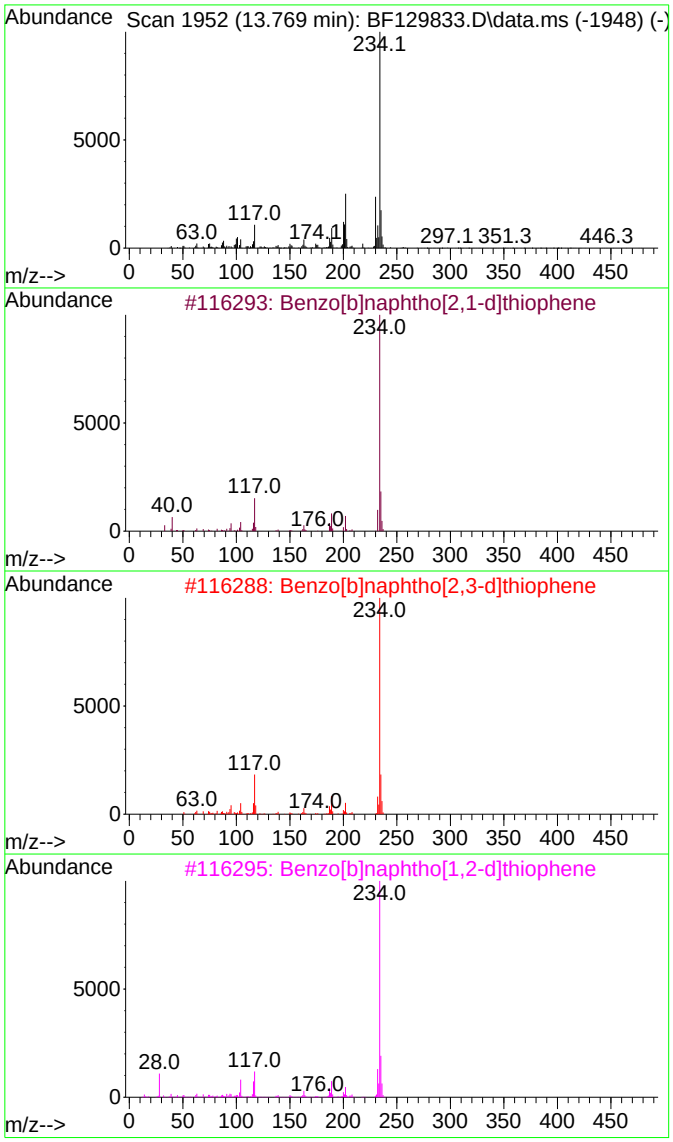
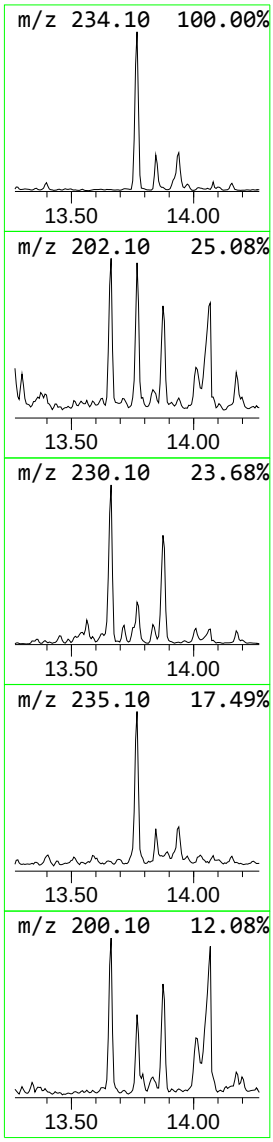
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	8.53 ng	2099910	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
4	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46
5	3-pyrazolidinone, 1-(3-ethoxyphe...	234	C13H18N2O2	1000396-41-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-211

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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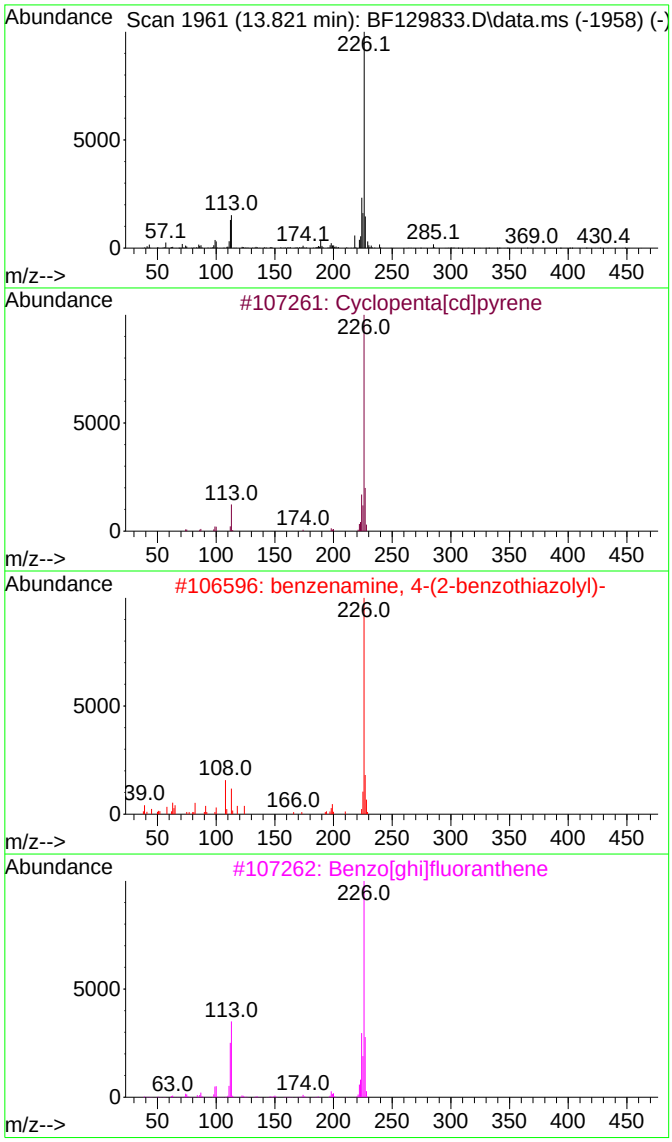
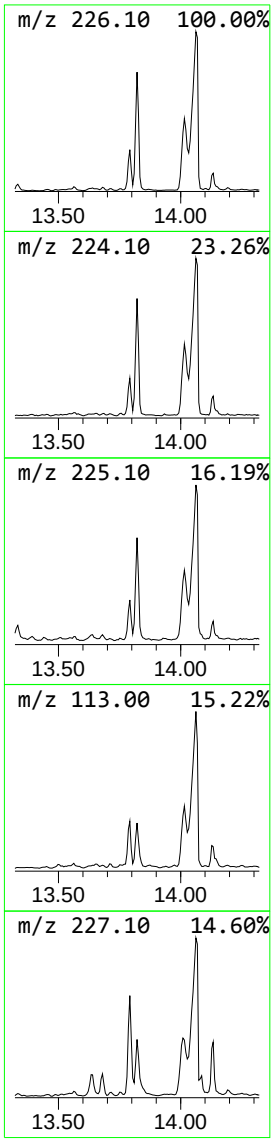
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.822	11.47 ng	2821020	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42
5	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-211

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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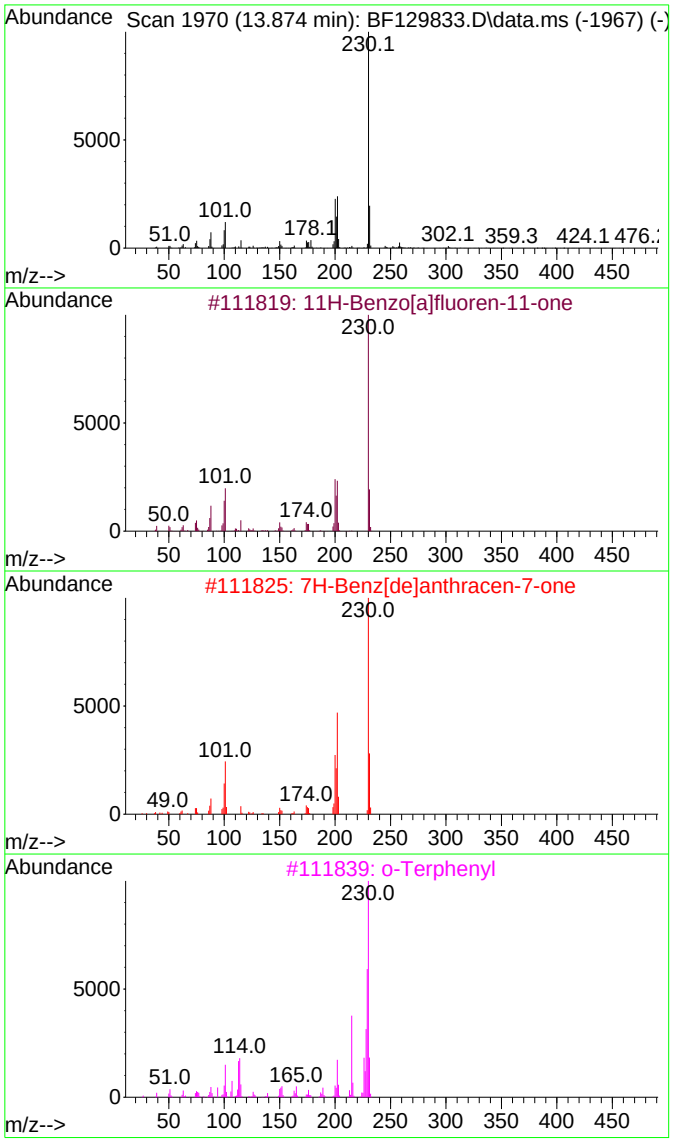
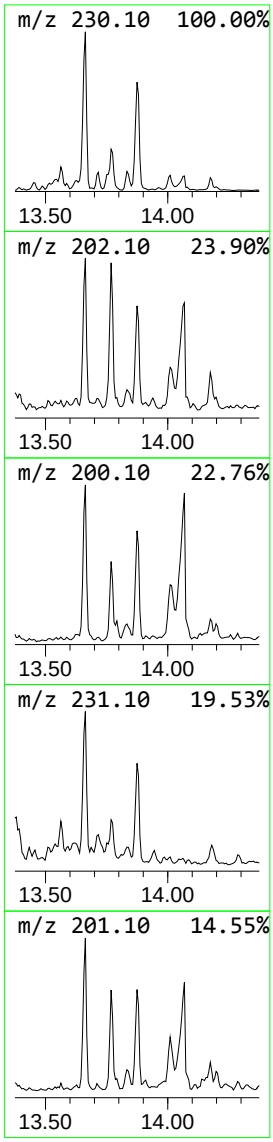
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	7.48 ng	1840280	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	o-Terphenyl	230	C18H14	000084-15-1	59
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-211

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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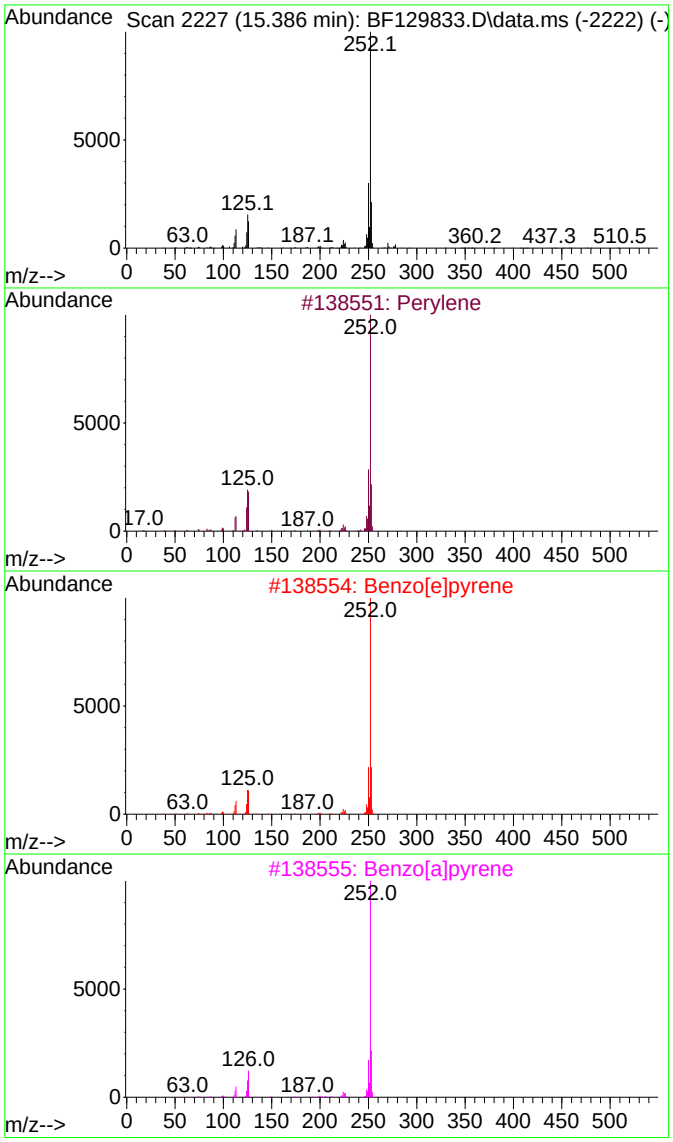
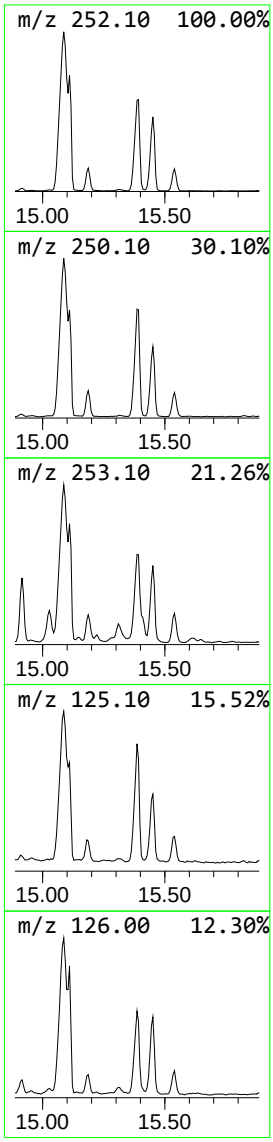
Peak Number 20 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.386	23.60 ng	3304990	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129833.D
Acq On : 17 Aug 2022 03:10
Operator : CG\JU
Sample : N4191-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-211

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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
Indene	7.087	7.7	ng	265962	1	6.822	689956	20.0
1(2H)-Acenaphth...	10.786	9.2	ng	321063	4	11.357	699719	20.0
Dibenzothiophene	11.251	9.1	ng	318562	4	11.357	699719	20.0
Anthracene, 1-m...	11.857	16.1	ng	564503	4	11.357	699719	20.0
Phenanthrene, 1...	11.886	35.9	ng	1255710	4	11.357	699719	20.0
Phenanthrene, 2...	11.933	12.7	ng	444257	4	11.357	699719	20.0
4H-Cyclopenta[d...	11.975	29.4	ng	1028680	4	11.357	699719	20.0
Anthrone	12.098	9.2	ng	321807	4	11.357	699719	20.0
Naphthalene, 2-...	12.151	18.5	ng	646742	4	11.357	699719	20.0
9,10-Anthracene...	12.192	63.4	ng	2218990	4	11.357	699719	20.0
Phenanthrene, 2...	12.410	18.6	ng	650236	4	11.357	699719	20.0
Naphthalic anhy...	12.463	26.5	ng	926469	4	11.357	699719	20.0
Cyclopenta(def)...	12.516	53.7	ng	1880030	4	11.357	699719	20.0
4,4'-Bis(tetrah...	12.675	18.1	ng	632203	4	11.357	699719	20.0
Pyrene, 1-methyl-	13.145	6.8	ng	1684510	5	14.027	4921070	20.0
Fluoranthene, 2...	13.245	7.8	ng	1921200	5	14.027	4921070	20.0
Benzo[b]naphtho...	13.769	8.5	ng	2099910	5	14.027	4921070	20.0
Cyclopenta[cd]p...	13.822	11.5	ng	2821020	5	14.027	4921070	20.0
11H-Benzo[a]flu...	13.874	7.5	ng	1840280	5	14.027	4921070	20.0
Perylene	15.386	23.6	ng	3304990	6	15.504	2800490	20.0