LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

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-BF122022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131793.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	500	505	512	rVB	320732	362369	16.71%	1.528%
2	5.463	570	574	578	rBV	1346859	1256354	57.93%	5.297%
3	6.486	743	748	751	rBV	1733724	1814614	83.67%	7.651%
4	6.857	807	811	814	rBV	466538	381042	17.57%	1.607%
5	7.428	903	908	910	rBV	1163041	1121577	51.71%	4.729%
6	8.145	1027	1030	1032	rBV	574998	446681	20.60%	1.883%
7	8.169	1032	1034	1037	rVB	104196	78567	3.62%	0.331%
8	8.733	1127	1130	1134	rBV	41722	32373	1.49%	0.136%
9	8.863	1148	1152	1155	rVB	207836	177052	8.16%	0.747%
10	8.963	1164	1169	1172	rVB	164607	152303	7.02%	0.642%
11	9.227	1209	1214	1217	rBV	2727270	2168789	100.00%	9.145%
12	9.298	1223	1226	1229	rBV	69960	61744	2.85%	0.260%
13	9.327	1229	1231	1234	rVB	44524	35185	1.62%	0.148%
14	9.422	1244	1247	1254	rVB	79644	73148	3.37%	0.308%
15	9.492	1254	1259	1263	rBV	93634	122690	5.66%	0.517%
16	9.563	1268	1271	1273	rVV	156368	147373	6.80%	0.621%
17	9.592	1273	1276	1278	rVV	88742	91983	4.24%	0.388%
18	9.610	1278	1279	1283	rVB4	30318	33741	1.56%	0.142%
19	9.680	1288	1291	1296	rVB	83797	83590	3.85%	0.352%
20	9.769	1303	1306	1308	rBV2	78893	70781	3.26%	0.298%
21	9.816	1308	1314	1315	rBV4	33232	35940	1.66%	0.152%
22	9.827	1315	1316	1319	rVB	54559	40537	1.87%	0.171%
23	9.904	1323	1329	1332	rBV	516185	505586	23.31%	2.132%
24	9.939	1332	1335	1338	rVB	253127	196859	9.08%	0.830%
25	10.010	1343	1347	1351	rBV	46970	61597	2.84%	0.260%
26	10.063	1351	1356	1358	rBV2	37722	49137	2.27%	0.207%
27	10.110	1360	1364	1368	rVV2	104249	109337	5.04%	0.461%
28	10.151	1368	1371	1375	rVB3	46684	44222	2.04%	0.186%
29	10.222	1380	1383	1385	rBV	47239	43888	2.02%	0.185%
30	10.310	1395	1398	1400	rBV3	63868	74923	3.45%	0.316%
31	10.333	1400	1402	1404	rVB	76577	56734	2.62%	0.239%
32	10.457	1419	1423	1429	rBV	154669	146975	6.78%	0.620%
33	10.545	1436	1438	1441	rBV2	44485	35568	1.64%	0.150%
34	10.621	1447	1451	1454	rVB2	81846	94403	4.35%	0.398%
35	10.698	1461	1464	1468	rVB	704373	563872	26.00%	2.378%
36	10.810	1480	1483	1492	rVB5	68929	118234	5.45%	0.499%

LSC Area Percent Report

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Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

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-BF122022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.004	1511	1516	1519	rBV4	49951	87101	4.02%	0.367%
38	11.204	1547	1550	1553	rVB	192784	152935	7.05%	0.645%
39	11.257	1556	1559	1561	rVV2	64407	62078	2.86%	0.262%
40	11.298	1562	1566	1570	rVB	145842	157806	7.28%	0.665%
41	11.398	1580	1583	1585	rBV	441508	422825	19.50%	1.783%
42	11.427	1585	1588	1591	rVV	1692695	1353837	62.42%	5.708%
43	11.474	1594	1596	1599	rVV	251165	204578	9.43%	0.863%
44	11.504	1599	1601	1604	rVV4	37597	39540	1.82%	0.167%
45	11.633	1620	1623	1627	rBV	65970	64358	2.97%	0.271%
46	11.698	1630	1634	1636	rVV2	51708	71787	3.31%	0.303%
47	11.733	1637	1640	1645	rVB	104542	100988	4.66%	0.426%
48	11.816	1652	1654	1657	rVB	42987	38525	1.78%	0.162%
49	11.857	1659	1661	1665	rVV	37920	41825	1.93%	0.176%
50	11.904	1666	1669	1671	rVV	281219	248227	11.45%	1.047%
51	11.933	1671	1674	1677	rVV	338042	311275	14.35%	1.312%
52	11.980	1679	1682	1685	rVV	71433	71997	3.32%	0.304%
53	12.016	1685	1688	1690	rVV2	286365	303287	13.98%	1.279%
54	12.039	1690	1692	1696	rVB	206325	157229	7.25%	0.663%
55	12.092	1699	1701	1706	rVB4	57137	62629	2.89%	0.264%
56	12.133	1706	1708	1710	rBV	28044	26487	1.22%	0.112%
57	12.198	1717	1719	1722	rBV	159104	142689	6.58%	0.602%
58	12.227	1722	1724	1727	rVB	217835	164157	7.57%	0.692%
59	12.351	1743	1745	1747	rVB	50279	38508	1.78%	0.162%
60	12.380	1747	1750	1752	rBV2	51401	42650	1.97%	0.180%
61	12.404	1752	1754	1758	rVB3	40472	36289	1.67%	0.153%
62	12.457	1760	1763	1765	rBV	103188	106412	4.91%	0.449%
63	12.486	1765	1768	1771	rVV4	87249	110125	5.08%	0.464%
64	12.545	1775	1778	1783	rBV	116790	125379	5.78%	0.529%
65	12.621	1787	1791	1794	rVB	1058058	891975	41.13%	3.761%
66	12.663	1796	1798	1800	rBV	32965	28305	1.31%	0.119%
67	12.751	1811	1813	1815	rBV2	50510	41992	1.94%	0.177%
68	12.851	1824	1830	1835	rBV	1174886	1175429	54.20%	4.956%
69	12.992	1851	1854	1860	rVB	2115855	2105334	97.07%	8.877%
70	13.063	1864	1866	1871	rVV2	73887	103324	4.76%	0.436%
71	13.151	1879	1881	1883	rBV3	75675	88121	4.06%	0.372%
72	13.215	1890	1892	1895	rBV3	54576	62815	2.90%	0.265%
73	13.245	1895	1897	1900	rVV2	80306	73563	3.39%	0.310%
74	13.280	1900	1903	1906	rVV2	121044	118595	5.47%	0.500%
75	13.374	1917	1919	1922	rVB	89660	69445	3.20%	0.293%
76	13.410	1922	1925	1927	rBV	93138	94457	4.36%	0.398%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

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-BF122022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.686	1969	1972	1977	rBV	128503	122442	5.65%	0.516%
78	13.798	1988	1991	1994	rBV2	87901	101106	4.66%	0.426%
79	13.827	1994	1996	1998	rVB	97048	64738	2.98%	0.273%
80	13.851	1998	2000	2004	rBV2	54188	76730	3.54%	0.324%
81	13.898	2004	2008	2013	rBV5	167922	248865	11.47%	1.049%
82	14.045	2029	2033	2037	rBV2	600758	865978	39.93%	3.651%
83	14.080	2037	2039	2047	rVB	430682	378363	17.45%	1.595%
84	14.151	2048	2051	2054	rVB2	110037	128171	5.91%	0.540%
85	14.439	2098	2100	2103	rVB	98366	84593	3.90%	0.357%
86	15.109	2210	2214	2217	rBV	239478	364849	16.82%	1.538%
87	15.415	2264	2266	2273	rVB	151138	181718	8.38%	0.766%
88	15.480	2274	2277	2284	rVB	222767	278244	12.83%	1.173%
89	15.545	2285	2288	2296	rBV2	212669	332197	15.32%	1.401%

Sum of corrected areas: 23716640

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
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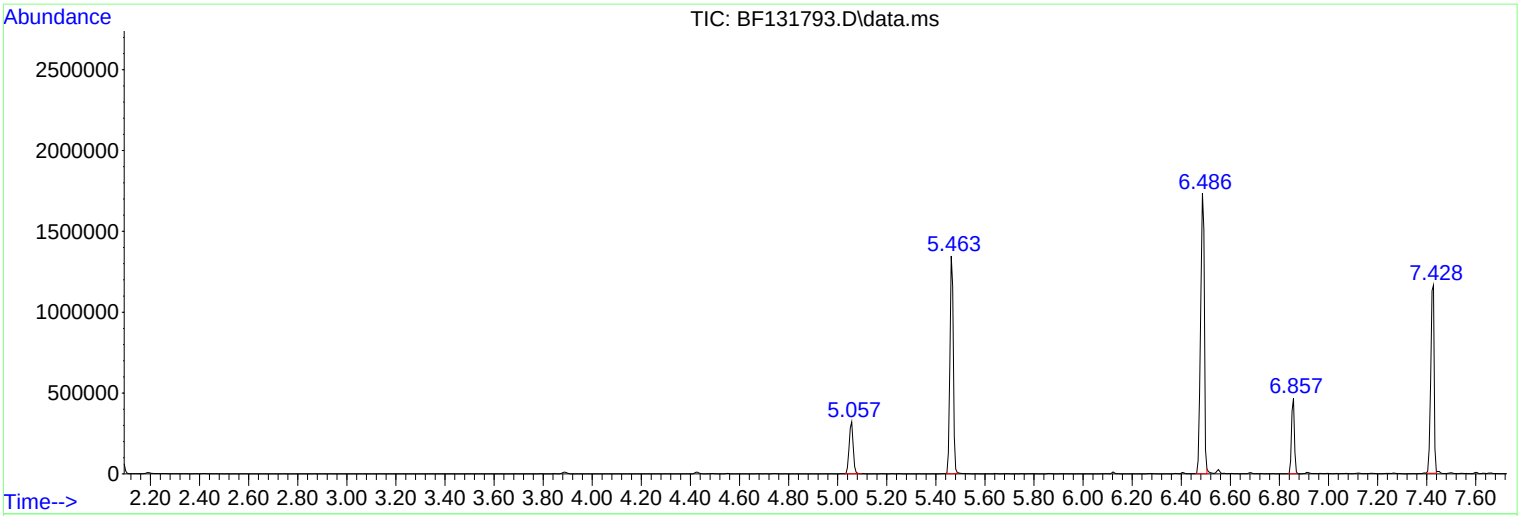
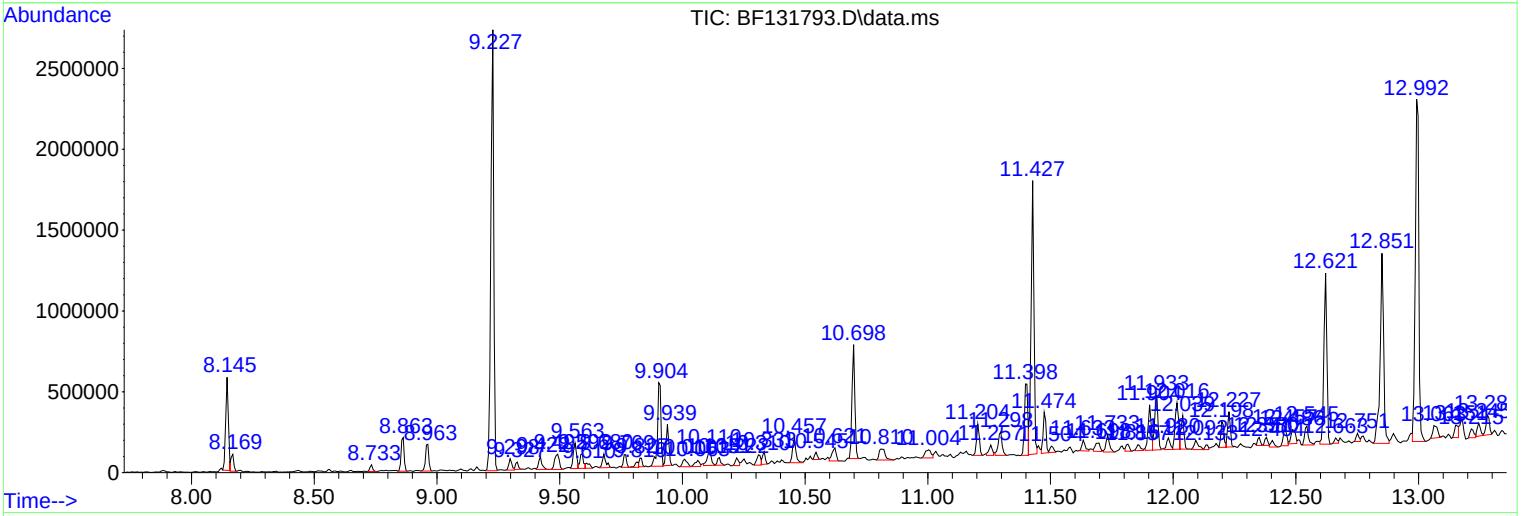
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

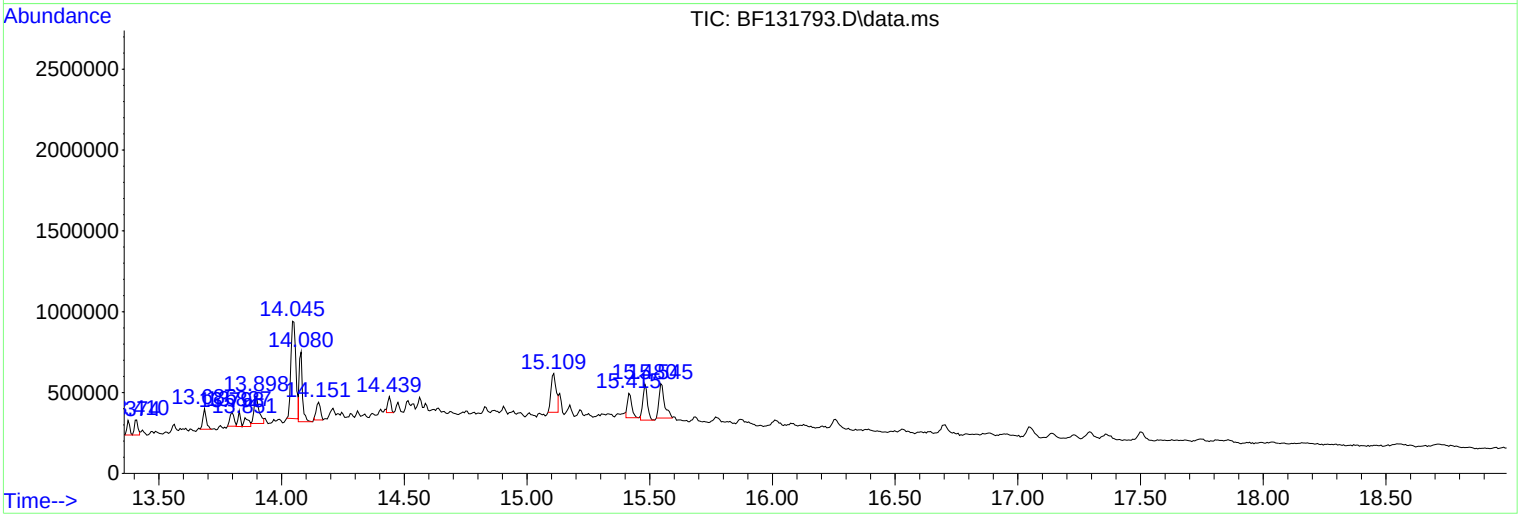
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.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\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

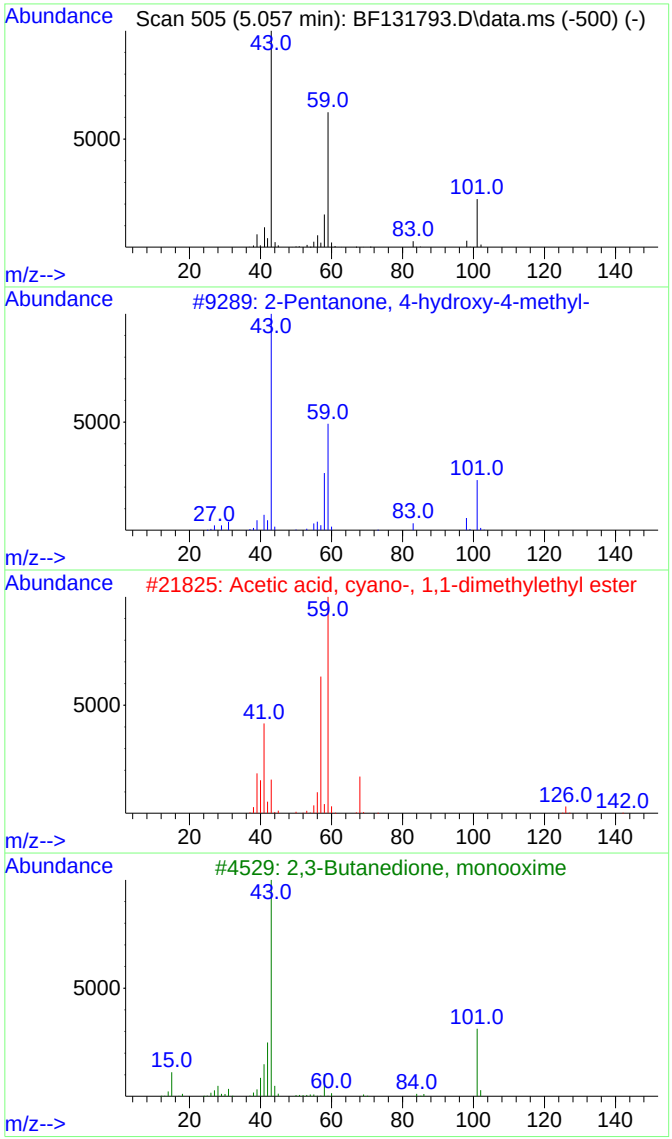
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

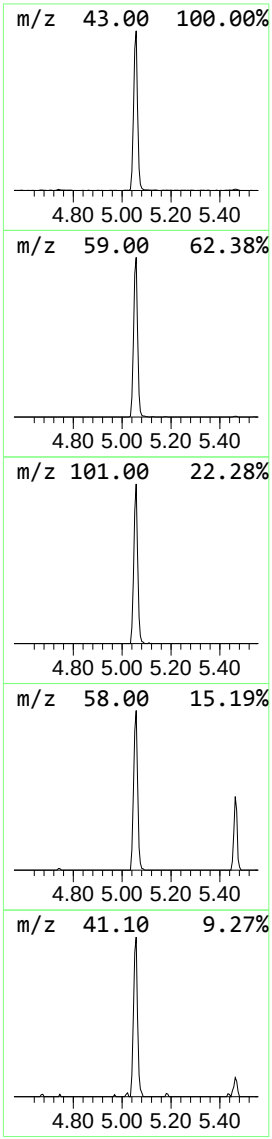
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.057	19.02 ng	362369	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

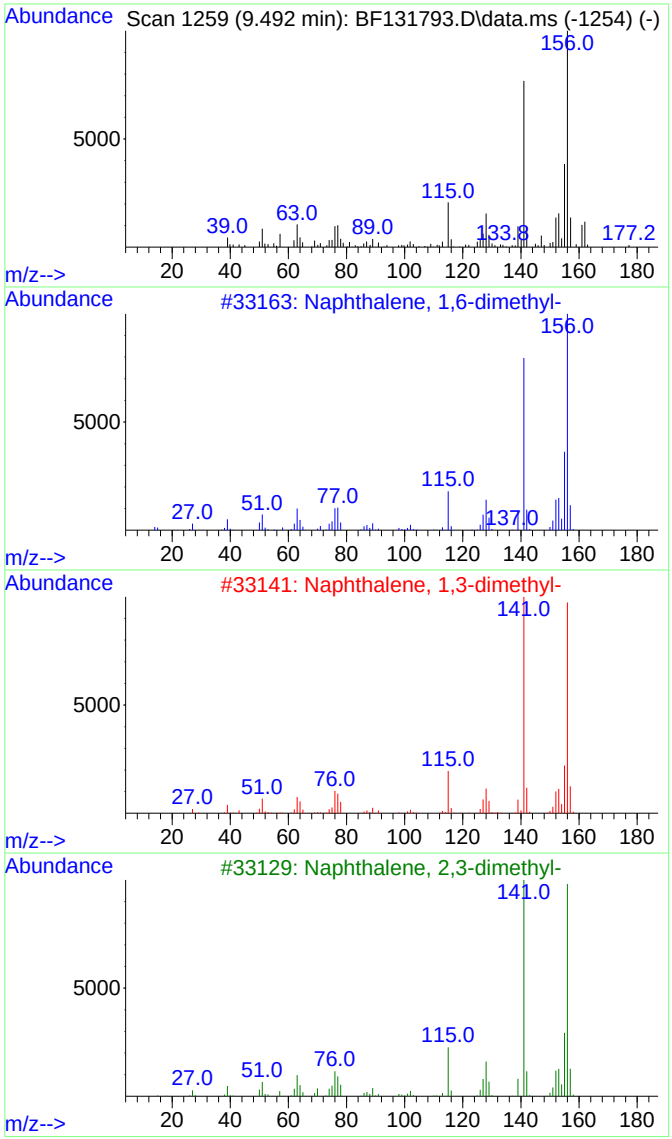
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

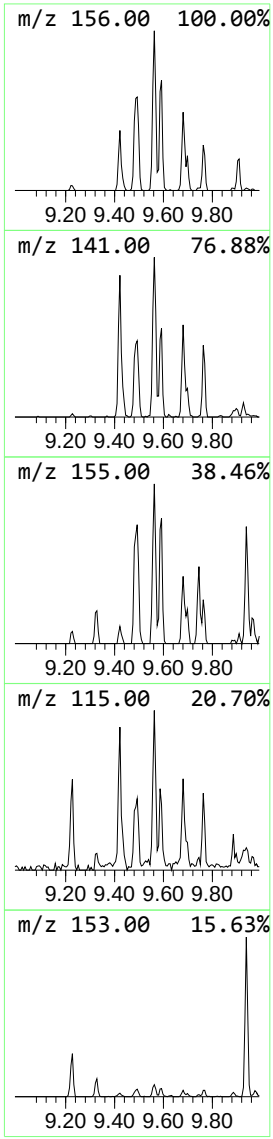
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.492	4.85 ng	122690	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
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Sample : N6038-11
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Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

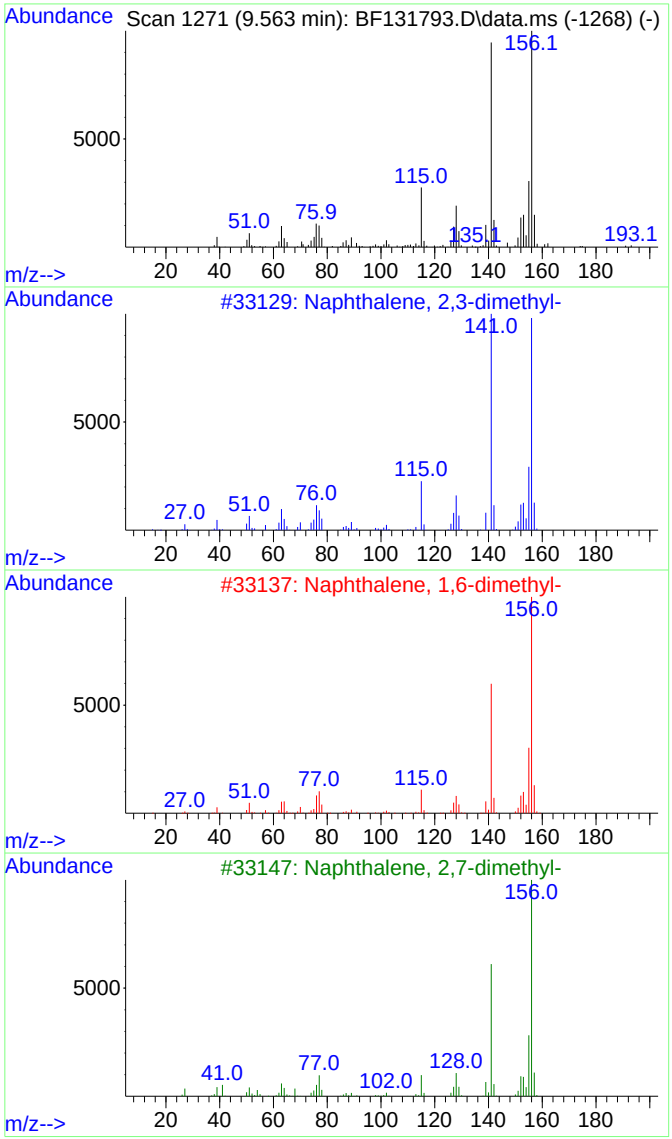
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

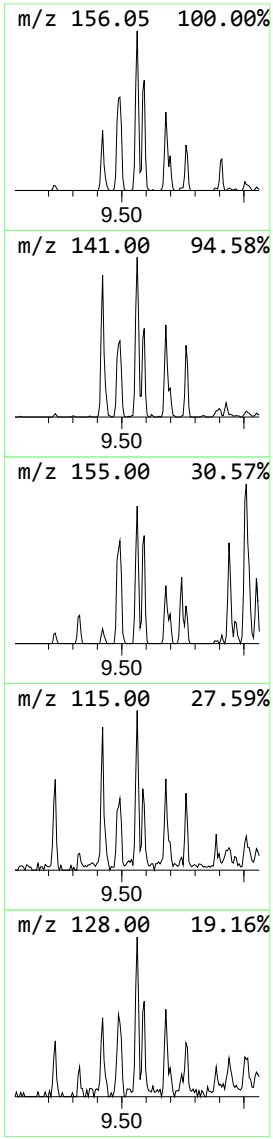
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	5.83 ng	147373	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
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Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

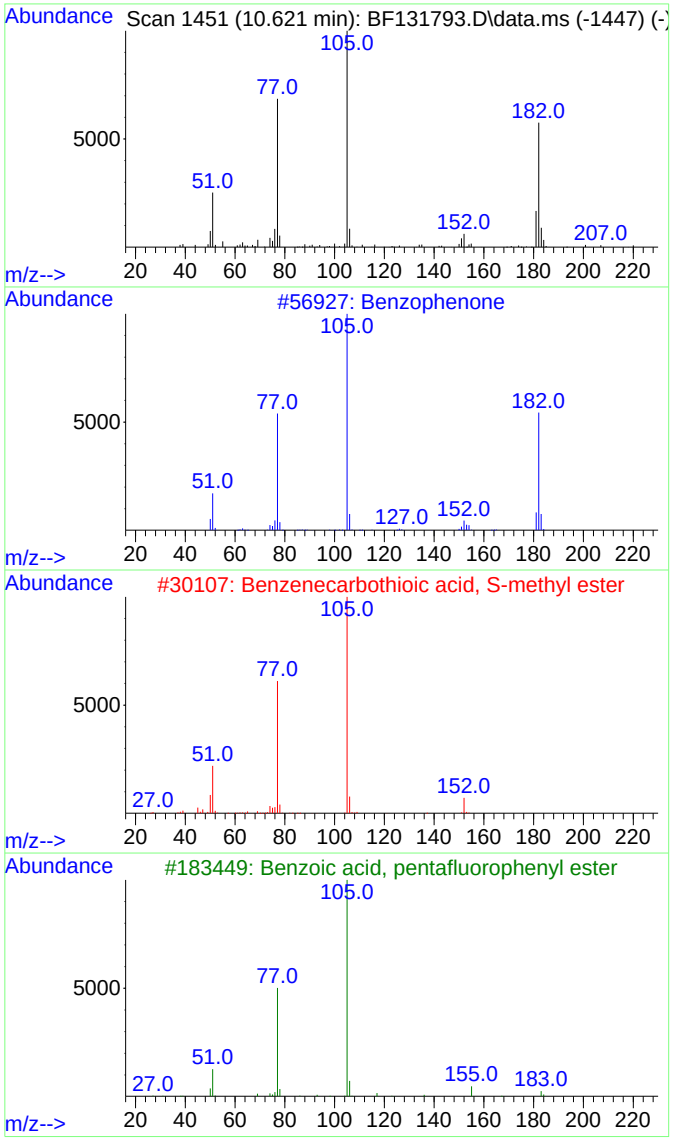
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

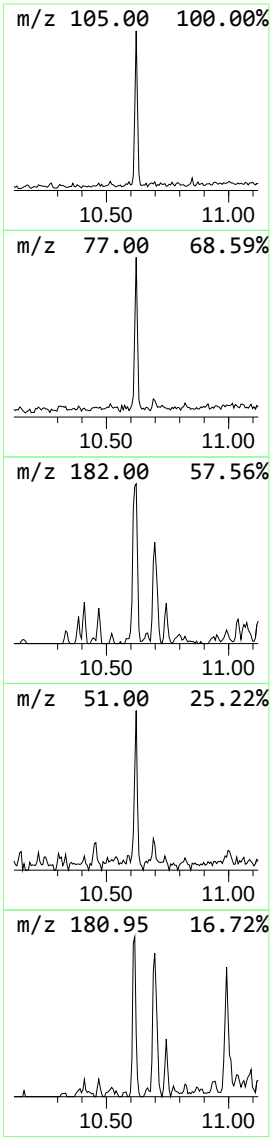
****

Peak Number 4 Benzophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.621	3.73 ng	94403	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3	Benzoic acid, pentafluorophenyl ...	288	C13H5F5O2	1000360-67-9	47
4	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	43
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

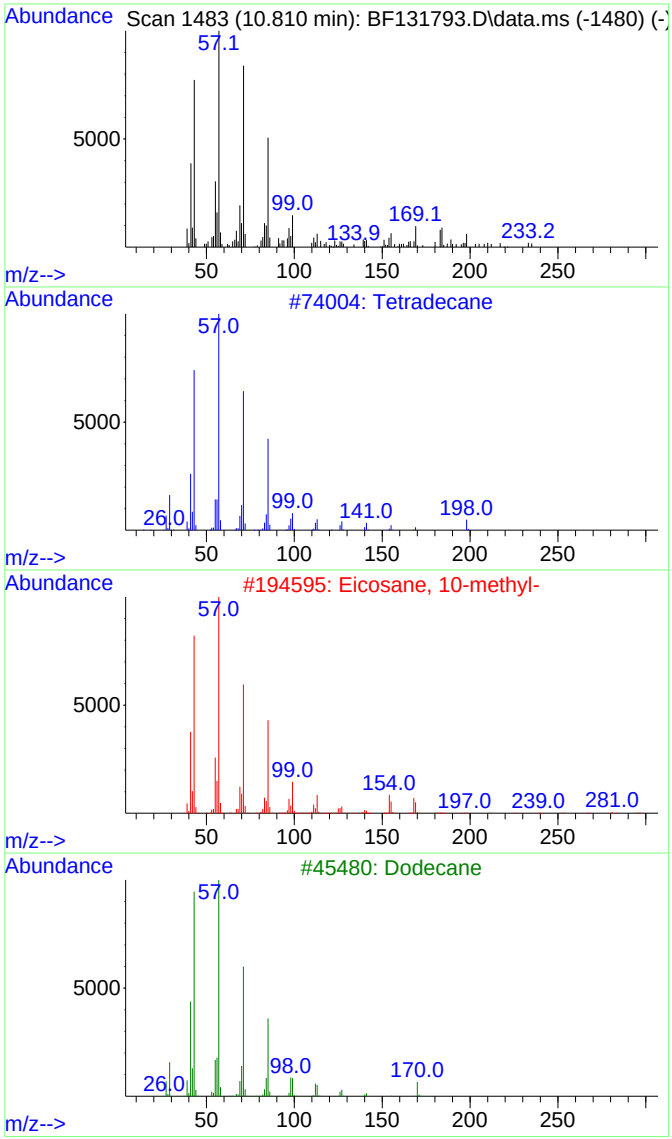
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

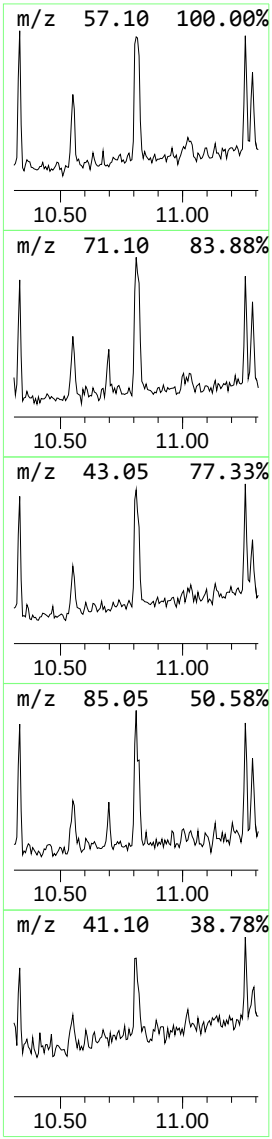
****

Peak Number 5 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.810	5.59 ng	118234	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
3	Dodecane	170	C12H26	000112-40-3	83
4	Pentadecane	212	C15H32	000629-62-9	83
5	Heneicosane	296	C21H44	000629-94-7	80





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Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-34-(1.5-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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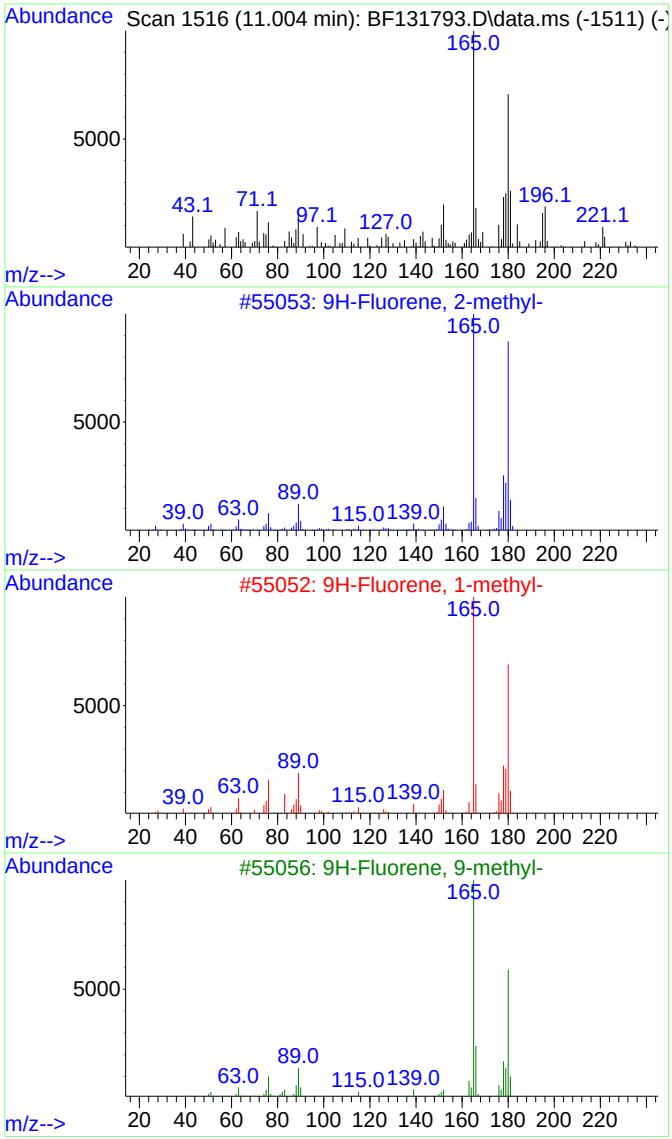
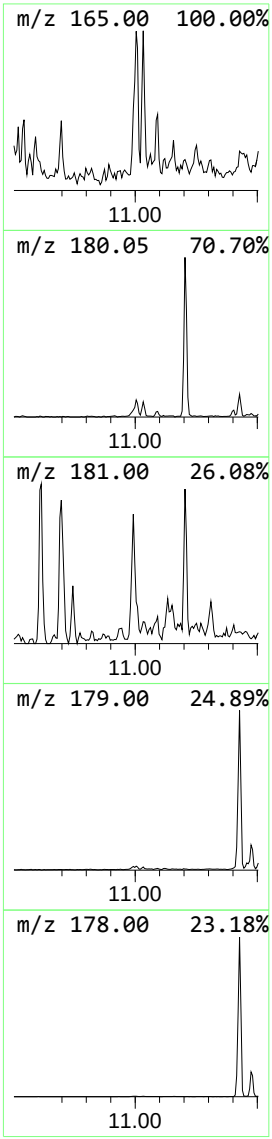
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	4.12 ng	87101	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	60
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	58





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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.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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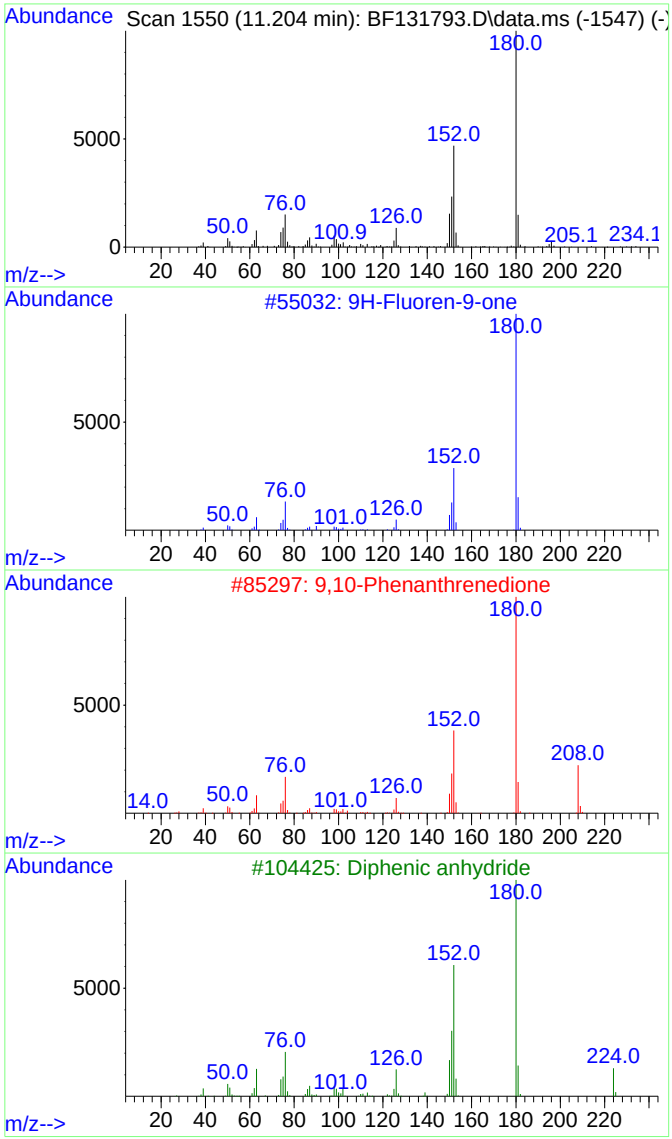
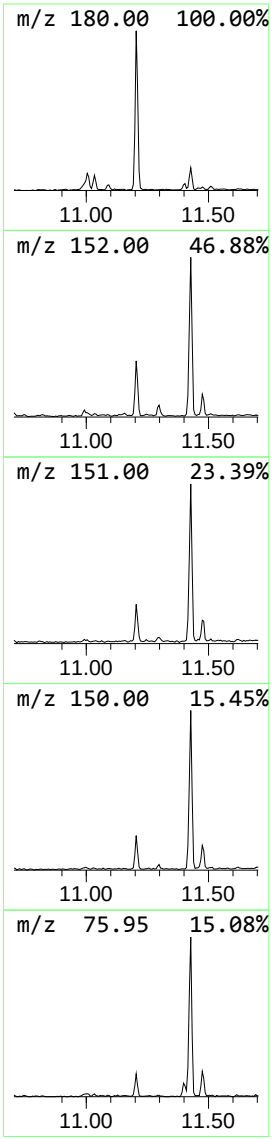
Peak Number 7 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	7.23 ng	152935	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3	Diphenic anhydride	224	C14H8O3	006050-13-1	64
4	9-Fluorenone-1-carboxylic acid	224	C14H8O3	001573-92-8	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.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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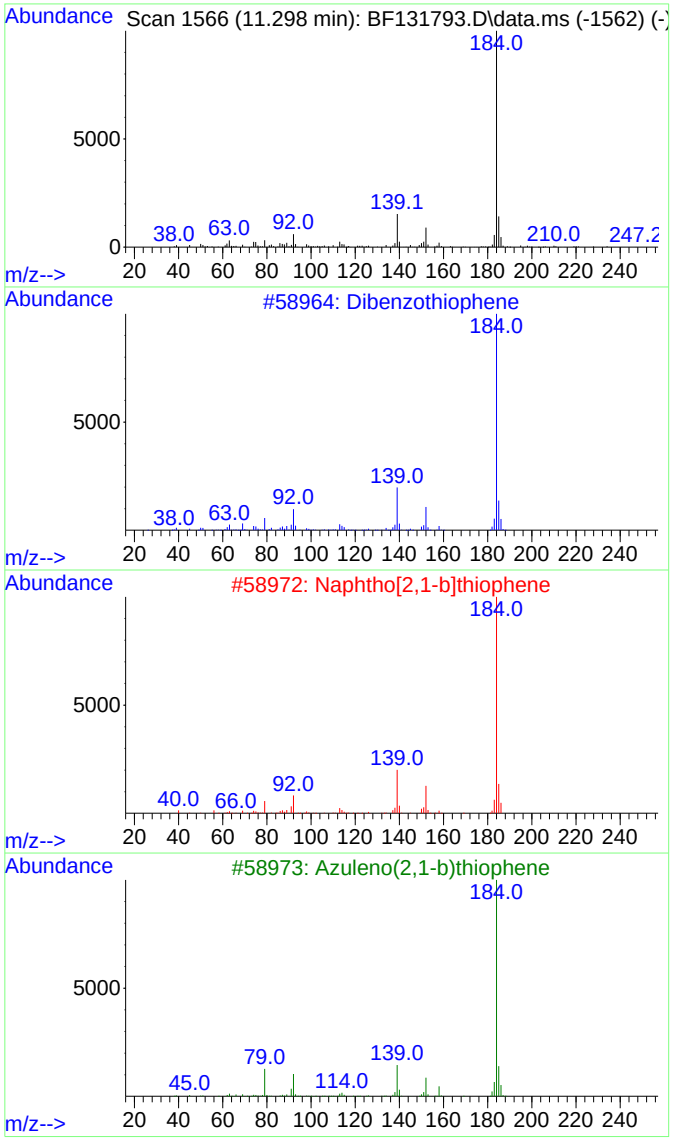
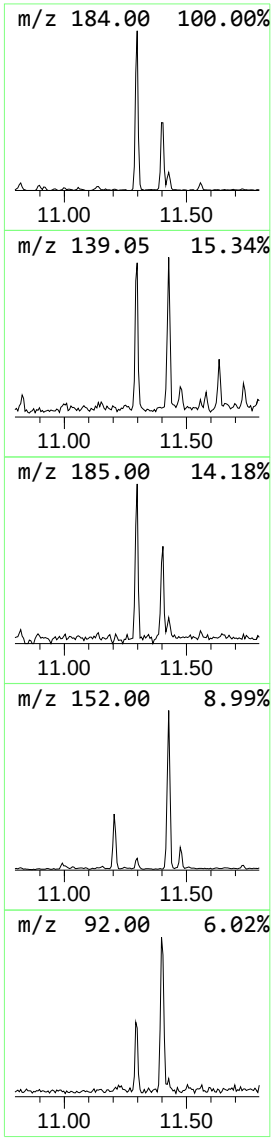
Peak Number 8 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	7.46 ng	157806	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.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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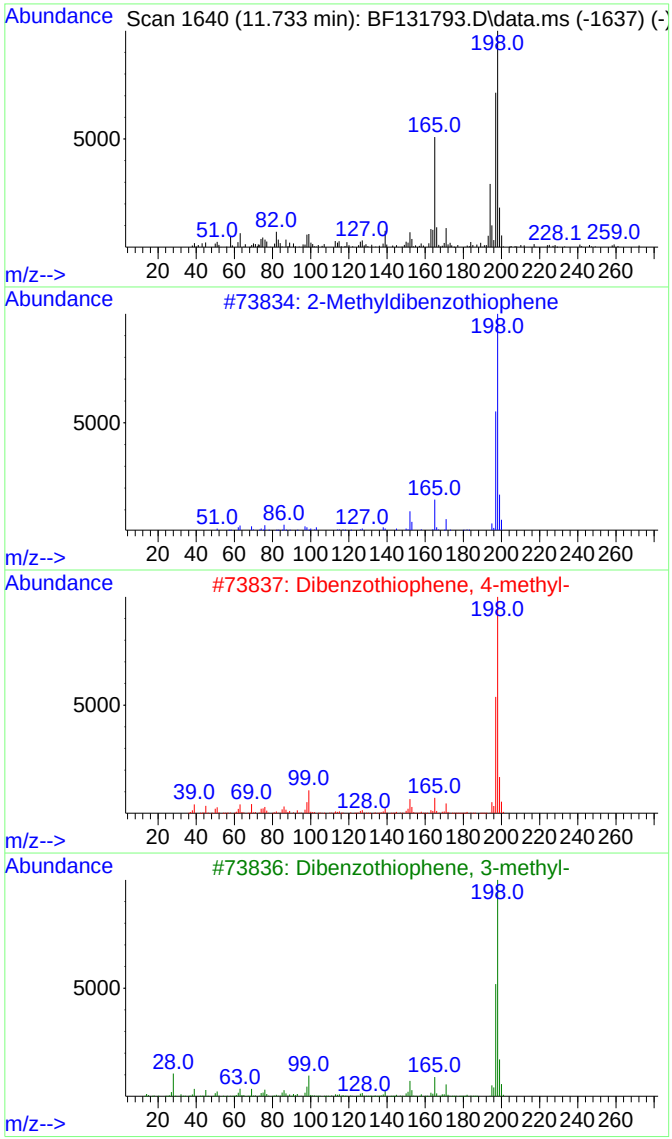
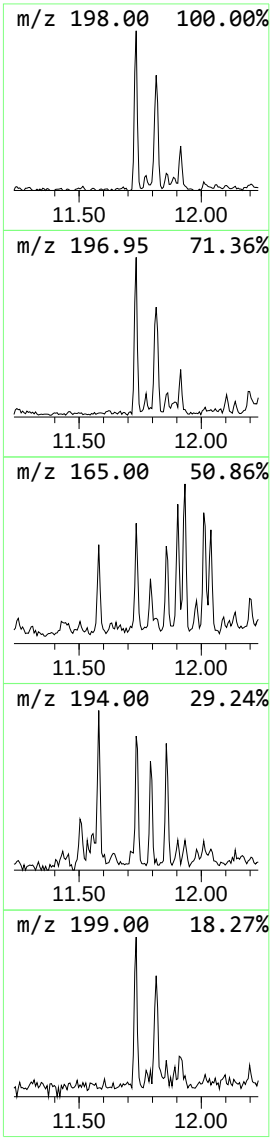
Peak Number 9 2-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.733	4.78 ng	100988	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	86
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	58





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

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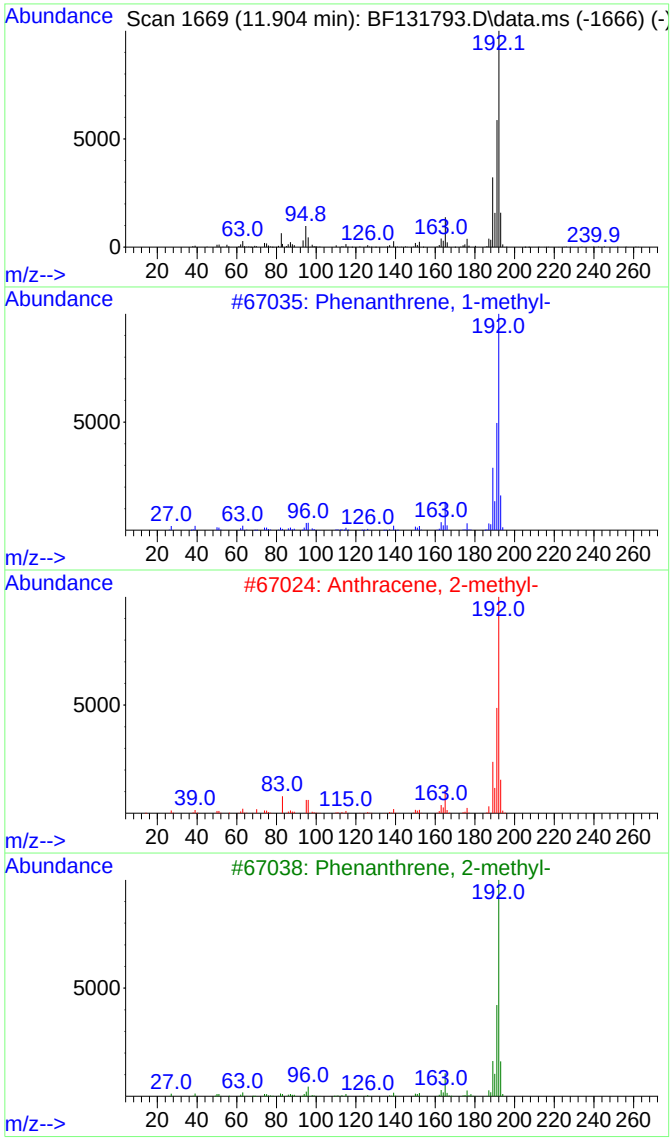
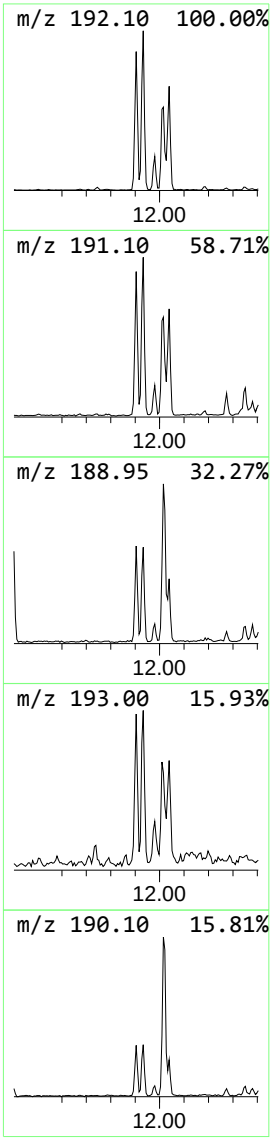
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	11.74 ng	248227	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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ALS Vial : 16 Sample Multiplier: 1

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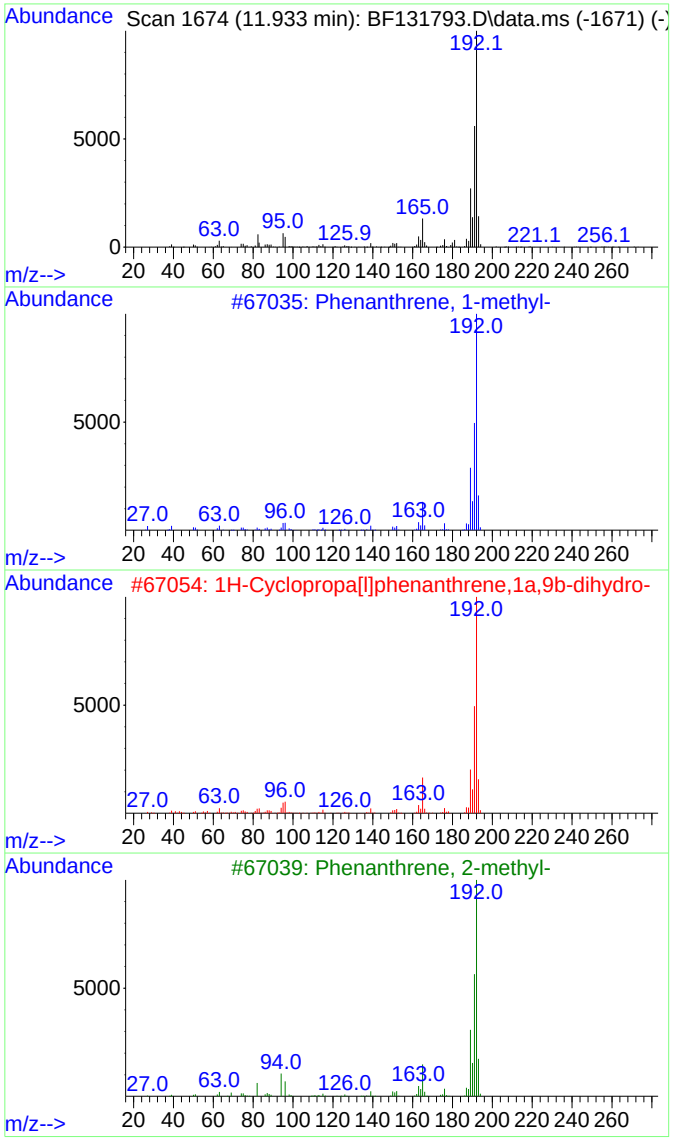
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

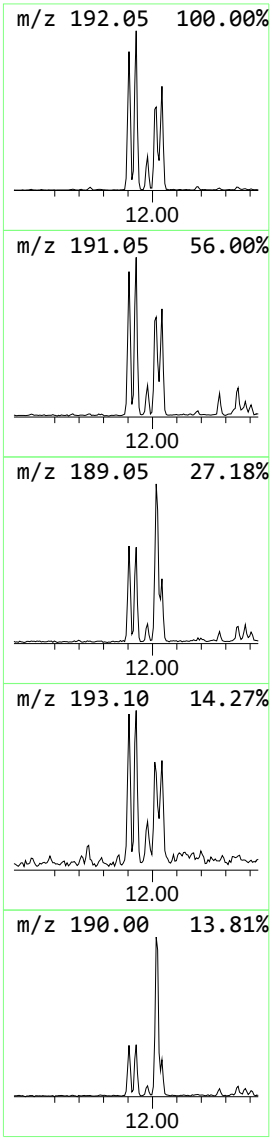
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	14.72 ng	311275	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : N6038-11
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

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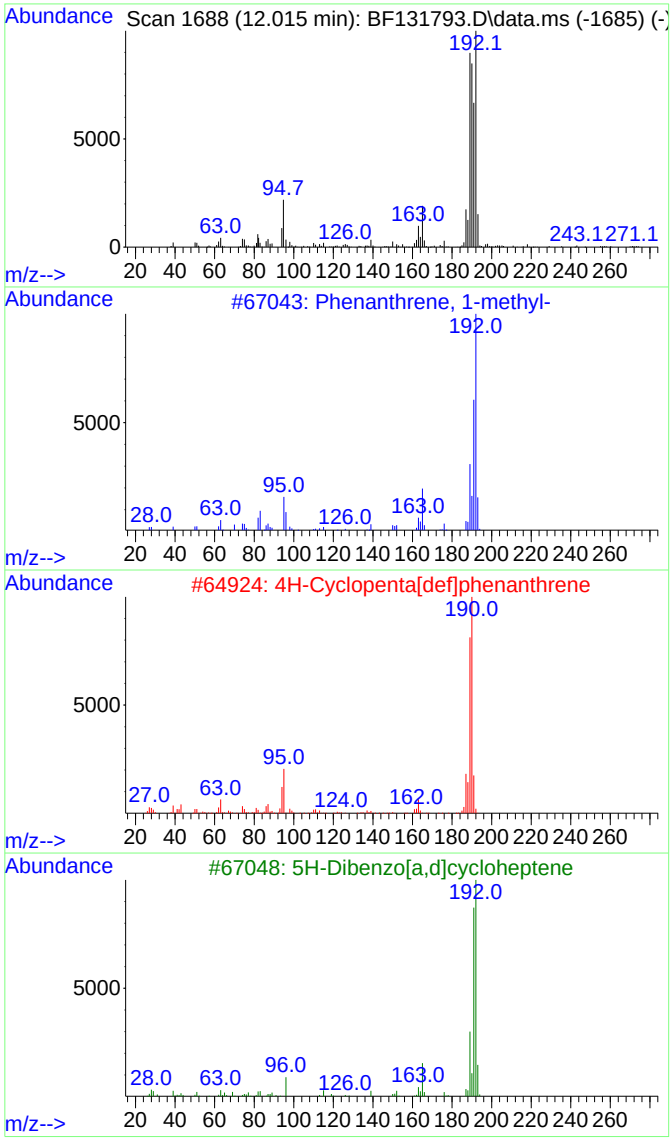
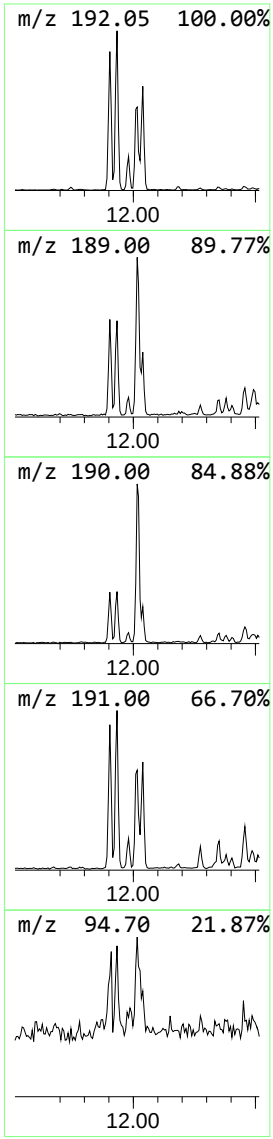
Peak Number 12 unknown12.015 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.015	14.35 ng	303287	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	45
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	45





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Instrument :
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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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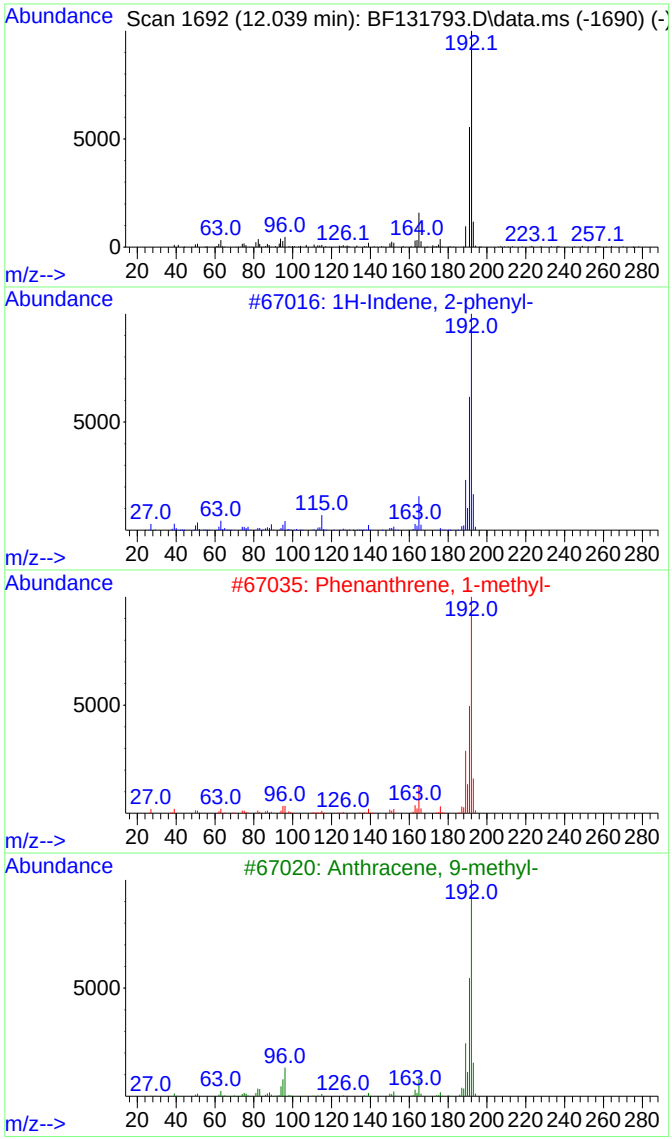
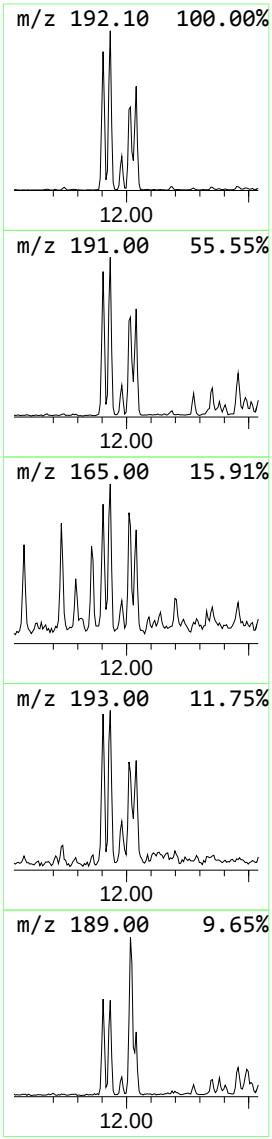
Peak Number 13 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	7.44 ng	157229	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	78
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72





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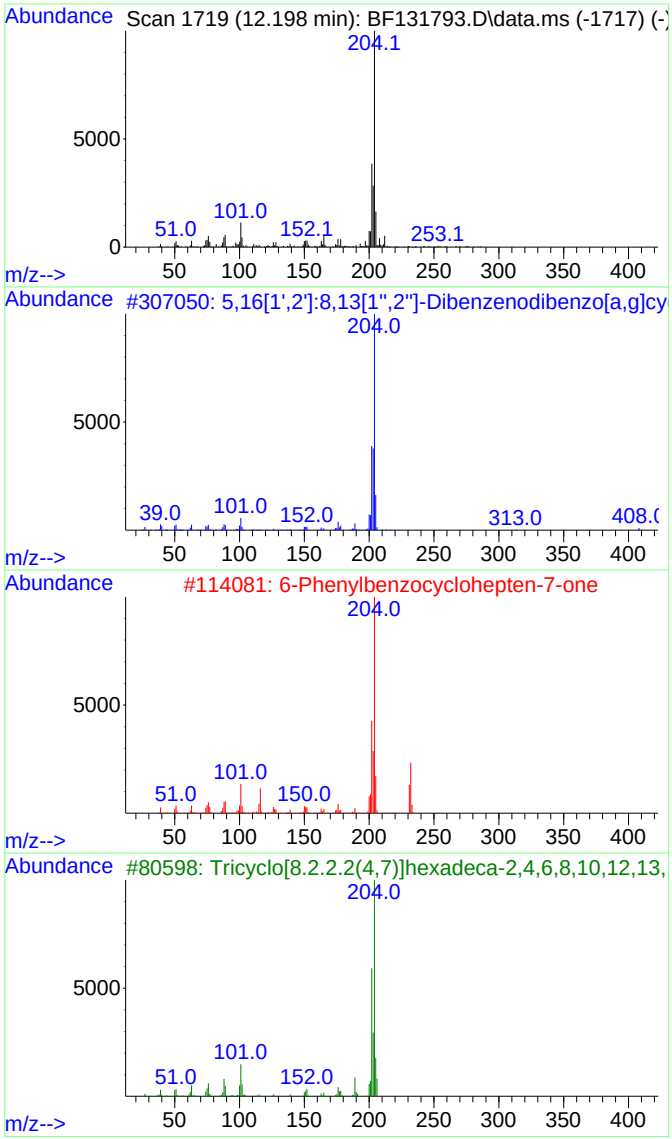
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

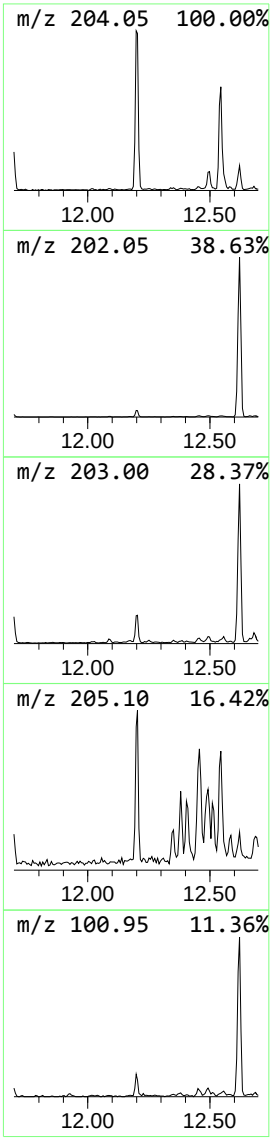
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	6.75 ng	142689	Phenanthrene-d10	11.404

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





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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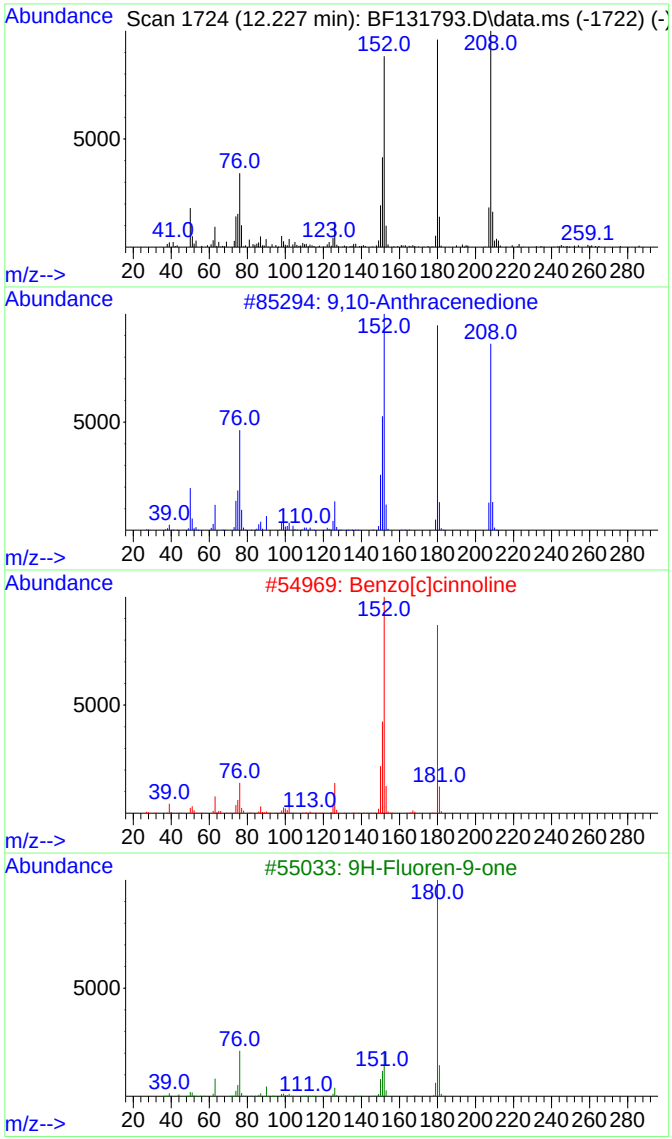
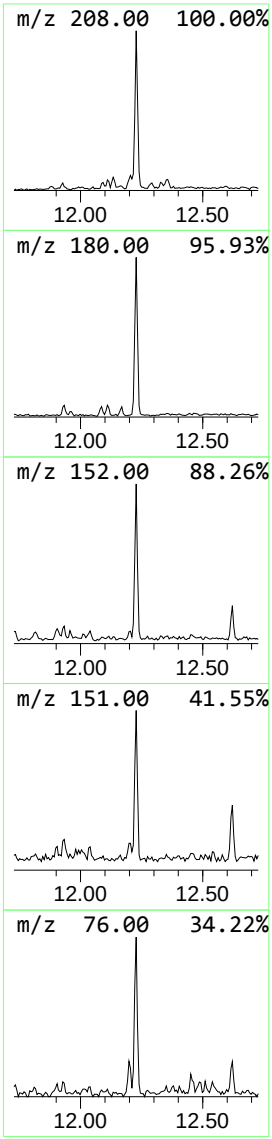
Peak Number 15 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	7.76 ng	164157	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	62





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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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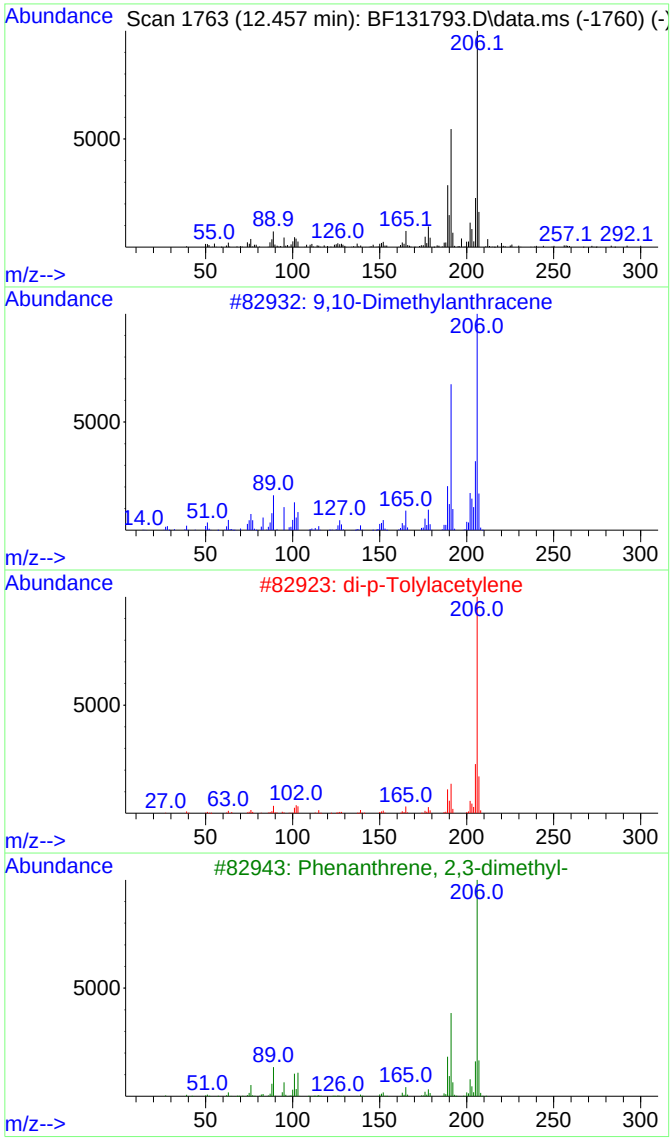
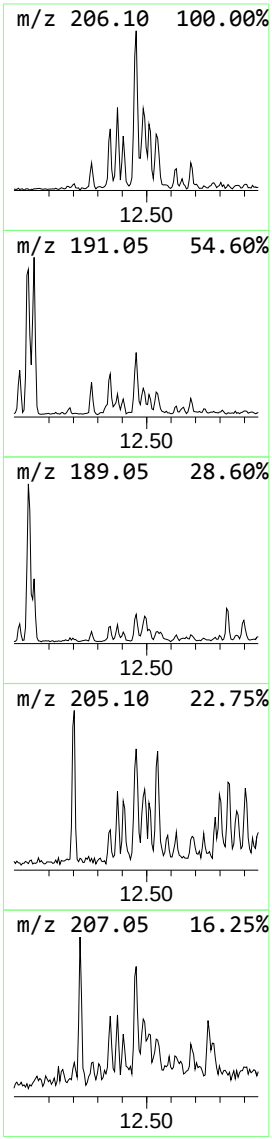
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	5.03 ng	106412	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76





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Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

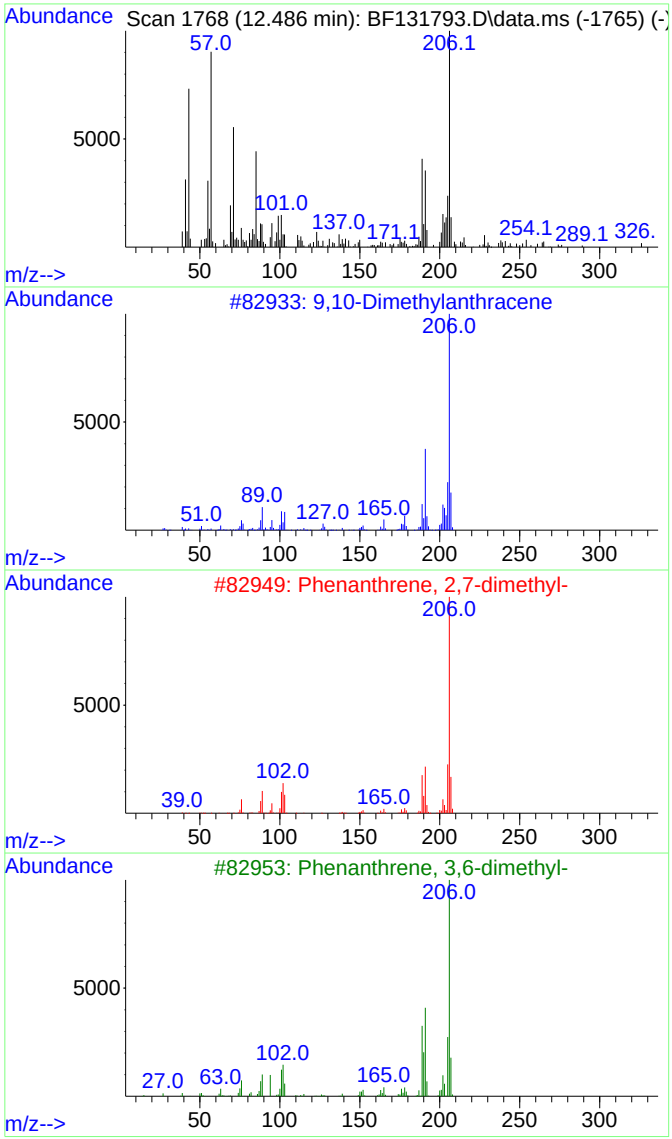
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

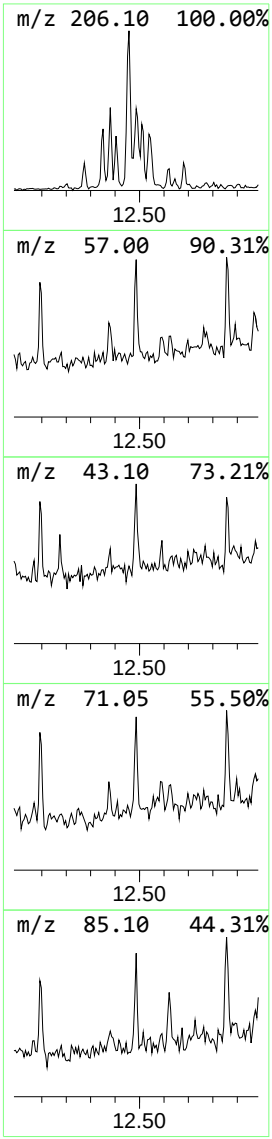
****

Peak Number 17 Phenanthrene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	5.21 ng	110125	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	50
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

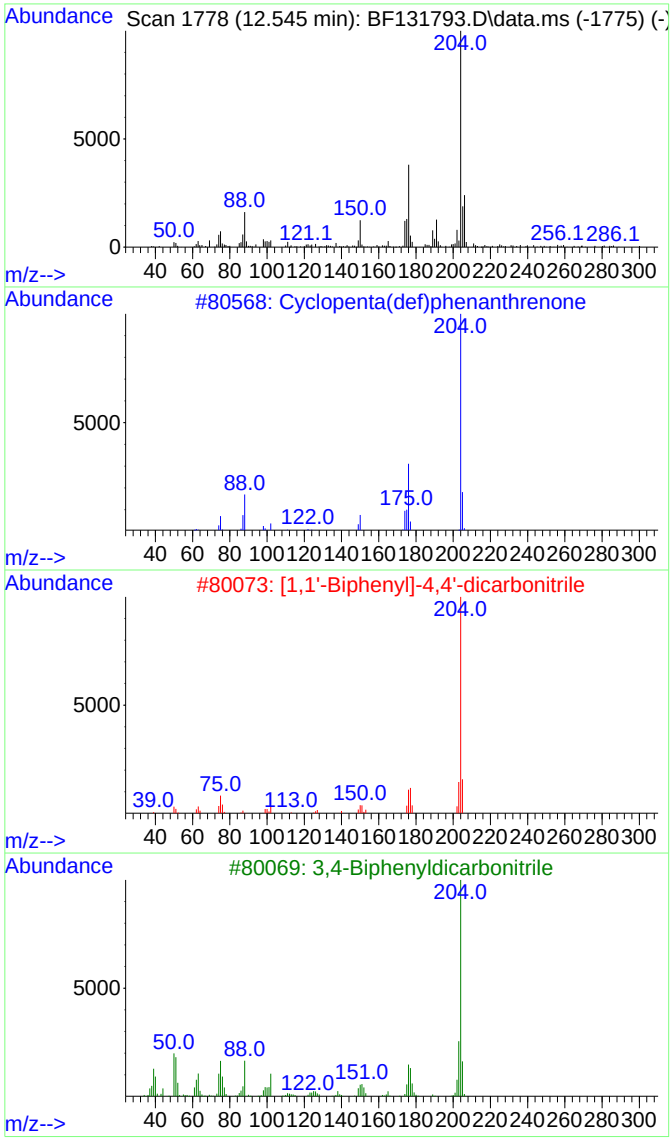
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

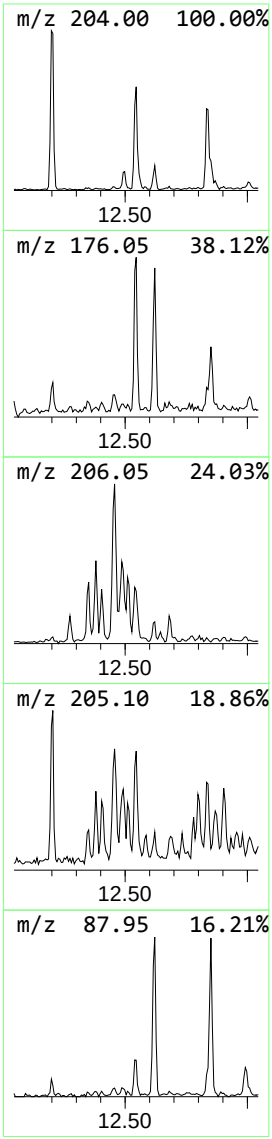
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	5.93 ng	125379	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	40
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

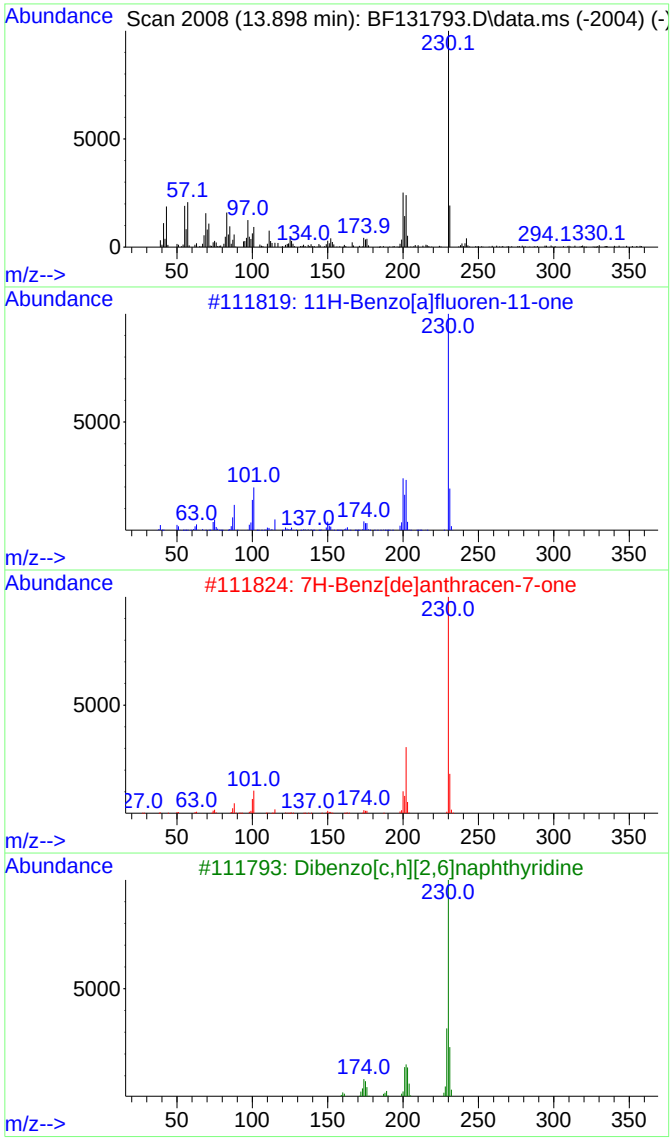
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

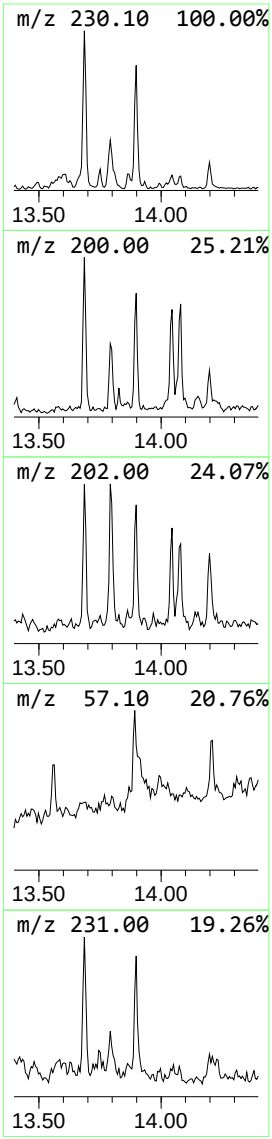
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	5.75 ng	248865	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
4	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	53
5	m-Terphenyl	230	C18H14	000092-06-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

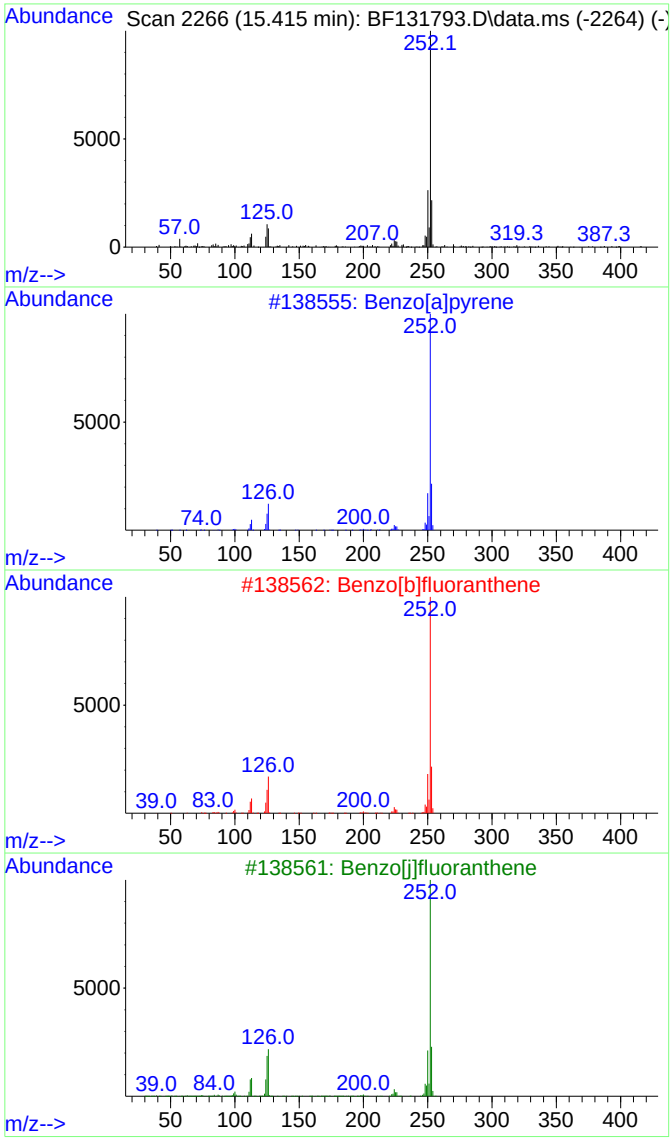
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

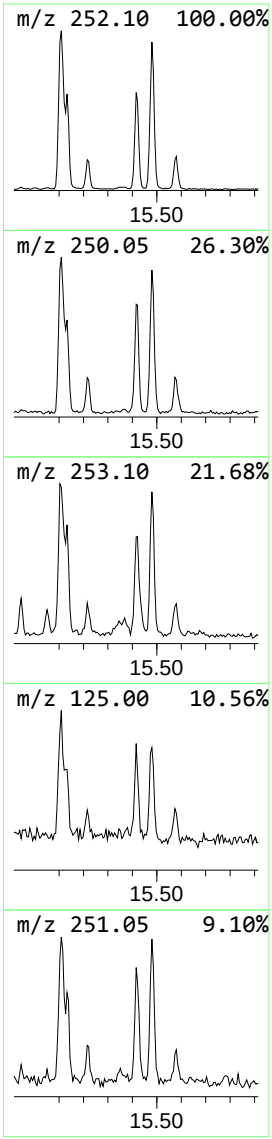
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	10.94 ng	181718	Perylene-d12	15.545

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.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
2-Pentanone, 4-...	5.057	19.0	ng	362369	1	6.857	381042	20.0
Naphthalene, 1,...	9.492	4.8	ng	122690	3	9.910	505586	20.0
Naphthalene, 2,...	9.563	5.8	ng	147373	3	9.910	505586	20.0
Benzophenone	10.621	3.7	ng	94403	3	9.910	505586	20.0
Tetradecane	10.810	5.6	ng	118234	4	11.404	422825	20.0
9H-Fluorene, 2-...	11.004	4.1	ng	87101	4	11.404	422825	20.0
9H-Fluoren-9-one	11.204	7.2	ng	152935	4	11.404	422825	20.0
Dibenzothiophene	11.298	7.5	ng	157806	4	11.404	422825	20.0
2-Methyldibenzo...	11.733	4.8	ng	100988	4	11.404	422825	20.0
Phenanthrene, 1...	11.904	11.7	ng	248227	4	11.404	422825	20.0
1H-Cyclopropa[l...	11.933	14.7	ng	311275	4	11.404	422825	20.0
unknown12.015	12.015	14.4	ng	303287	4	11.404	422825	20.0
1H-Indene, 2-ph...	12.039	7.4	ng	157229	4	11.404	422825	20.0
5,16[1',2']:8,1...	12.198	6.8	ng	142689	4	11.404	422825	20.0
9,10-Anthracene...	12.227	7.8	ng	164157	4	11.404	422825	20.0
9,10-Dimethylan...	12.457	5.0	ng	106412	4	11.404	422825	20.0
Phenanthrene, 2...	12.486	5.2	ng	110125	4	11.404	422825	20.0
Cyclopenta(def)...	12.545	5.9	ng	125379	4	11.404	422825	20.0
11H-Benzo[a]flu...	13.898	5.8	ng	248865	5	14.051	865978	20.0
Benzo[j]fluoran...	15.415	10.9	ng	181718	6	15.545	332197	20.0