LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BF130453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.810	459	463	473	rBV	314468	380933	3.82%	0.335%
2	5.245	533	537	546	rVB	1084763	1070138	10.74%	0.940%
3	6.281	709	713	719	rBV	1194136	1071906	10.76%	0.942%
4	6.645	771	775	778	rBV	750198	607760	6.10%	0.534%
5	7.210	868	871	875	rVB	837028	678877	6.82%	0.596%
6	7.928	988	993	994	rBV	875289	776033	7.79%	0.682%
7	7.945	994	996	999	rVB	1122137	974670	9.79%	0.856%
8	8.639	1110	1114	1117	rVB	1294953	969222	9.73%	0.851%
9	8.739	1126	1131	1134	rVB	1256450	1079088	10.83%	0.948%
10	9.004	1172	1176	1179	rVB	1435394	1157477	11.62%	1.017%
11	9.192	1206	1208	1214	rVB	300086	354749	3.56%	0.312%
12	9.263	1215	1220	1224	rBV	611151	812338	8.16%	0.714%
13	9.339	1229	1233	1235	rVV	1081830	1034514	10.39%	0.909%
14	9.363	1235	1237	1241	rVV	779467	613873	6.16%	0.539%
15	9.451	1249	1252	1258	rVV	504199	577461	5.80%	0.507%
16	9.533	1261	1266	1271	rBV	710655	647241	6.50%	0.569%
17	9.675	1284	1290	1293	rBV2	870504	834747	8.38%	0.733%
18	9.710	1293	1296	1299	rVB	1669555	1307851	13.13%	1.149%
19	9.780	1305	1308	1312	rBV2	198099	252663	2.54%	0.222%
20	9.880	1319	1325	1328	rVV	995258	877850	8.81%	0.771%
21	9.916	1328	1331	1334	rVB	325790	258905	2.60%	0.227%
22	9.992	1339	1344	1347	rBV2	354400	394921	3.97%	0.347%
23	10.080	1355	1359	1361	rBV2	223667	300892	3.02%	0.264%
24	10.222	1380	1383	1389	rVV	1763480	1716380	17.23%	1.508%
25	10.286	1392	1394	1396	rVV	315180	299458	3.01%	0.263%
26	10.304	1396	1397	1400	rVV2	295776	267473	2.69%	0.235%
27	10.333	1400	1402	1404	rVV	268574	245028	2.46%	0.215%
28	10.380	1407	1410	1416	rVV2	373186	441300	4.43%	0.388%
29	10.463	1418	1424	1428	rVV2	1017877	1107854	11.12%	0.973%
30	10.586	1442	1445	1452	rVB3	264624	280308	2.81%	0.246%
31	10.769	1471	1476	1478	rBV2	526930	601180	6.04%	0.528%
32	10.792	1478	1480	1483	rVV	336365	323773	3.25%	0.284%
33	10.851	1487	1490	1493	rVB	323131	292188	2.93%	0.257%
34	10.916	1499	1501	1504	rVV2	236651	246930	2.48%	0.217%
35	11.010	1514	1517	1520	rVV2	209316	241713	2.43%	0.212%
36	11.051	1522	1524	1530	rVB	557114	562343	5.65%	0.494%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	11.157	1538	1542	1544	rBV	537126	645756	6.48%	0.567%
38	11.192	1544	1548	1551	rVV	6020757	6280000	63.05%	5.517%
39	11.239	1551	1556	1558	rVV	2679511	2072916	20.81%	1.821%
40	11.269	1558	1561	1564	rVV2	274385	276095	2.77%	0.243%
41	11.392	1579	1582	1584	rBV	461740	374417	3.76%	0.329%
42	11.486	1595	1598	1602	rVB2	315431	285878	2.87%	0.251%
43	11.569	1609	1612	1616	rVB	236897	253065	2.54%	0.222%
44	11.663	1623	1628	1630	rVV	1303696	1251412	12.56%	1.099%
45	11.692	1630	1633	1637	rVB	1690484	1579541	15.86%	1.388%
46	11.739	1637	1641	1643	rBV	698376	669065	6.72%	0.588%
47	11.774	1643	1647	1649	rVV	2481312	2581112	25.92%	2.268%
48	11.792	1649	1650	1655	rVB	1123342	817136	8.20%	0.718%
49	11.957	1675	1678	1680	rVV	743328	660449	6.63%	0.580%
50	11.980	1680	1682	1688	rVB3	284512	285992	2.87%	0.251%
51	12.133	1706	1708	1710	rBV	340247	238828	2.40%	0.210%
52	12.157	1710	1712	1715	rVB	297794	240534	2.42%	0.211%
53	12.210	1717	1721	1724	rBV	901945	1031278	10.35%	0.906%
54	12.245	1724	1727	1730	rVV	556788	708648	7.12%	0.623%
55	12.304	1733	1737	1741	rBV3	461129	651748	6.54%	0.573%
56	12.386	1744	1751	1754	rBV	7072038	8750151	87.86%	7.687%
57	12.486	1766	1768	1771	rBV2	455618	417605	4.19%	0.367%
58	12.516	1771	1773	1776	rVB	348887	299962	3.01%	0.264%
59	12.616	1783	1790	1793	rBV2	6638107	9959618	100.00%	8.750%
60	12.651	1793	1796	1800	rVB2	450398	559265	5.62%	0.491%
61	12.716	1803	1807	1809	rVV	580311	558708	5.61%	0.491%
62	12.745	1809	1812	1818	rVB2	1362216	1612609	16.19%	1.417%
63	12.821	1818	1825	1828	rBV3	777258	1263677	12.69%	1.110%
64	12.904	1835	1839	1840	rVV3	589179	630241	6.33%	0.554%
65	12.927	1840	1843	1846	rVB	1824992	1921220	19.29%	1.688%
66	12.998	1851	1855	1857	rVV	1697888	1482898	14.89%	1.303%
67	13.033	1857	1861	1863	rVV2	1160424	1201345	12.06%	1.055%
68	13.121	1873	1876	1879	rBV	661958	524545	5.27%	0.461%
69	13.151	1879	1881	1885	rBV	766926	673439	6.76%	0.592%
70	13.327	1904	1911	1913	rBV5	333684	600464	6.03%	0.528%
71	13.410	1921	1925	1927	rVV	379086	504280	5.06%	0.443%
72	13.433	1927	1929	1934	rVV	505260	692373	6.95%	0.608%
73	13.545	1943	1948	1950	rVV2	801571	939245	9.43%	0.825%
74	13.574	1950	1953	1955	rVV	908733	906148	9.10%	0.796%
75	13.598	1955	1957	1963	rVV3	736017	1172909	11.78%	1.030%
76	13.645	1963	1965	1968	rVB	498536	444070	4.46%	0.390%

LSC Area Percent Report

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Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

77	13.798	1984	1991	1994	rBV2	4237177	6902009	69.30%	6.064%
78	13.833	1994	1997	2001	rVB	4183020	4360314	43.78%	3.831%
79	13.904	2007	2009	2012	rVB	1004012	730732	7.34%	0.642%
80	13.939	2013	2015	2018	rBV	376424	373193	3.75%	0.328%
81	14.027	2028	2030	2032	rVB	322594	246172	2.47%	0.216%
82	14.145	2047	2050	2052	rBV2	303621	291103	2.92%	0.256%
83	14.180	2052	2056	2059	rVV	980226	1107850	11.12%	0.973%
84	14.215	2059	2062	2066	rVB	611791	521763	5.24%	0.458%
85	14.274	2066	2072	2075	rBV3	638836	862365	8.66%	0.758%
86	14.304	2075	2077	2079	rVV2	592278	582596	5.85%	0.512%
87	14.327	2079	2081	2084	rVB2	744968	575737	5.78%	0.506%
88	14.657	2134	2137	2144	rVB3	296364	396617	3.98%	0.348%
89	14.815	2157	2164	2166	rBV	2886856	4856257	48.76%	4.266%
90	14.904	2176	2179	2182	rVB	721909	700994	7.04%	0.616%
91	15.086	2205	2210	2215	rVB	1595592	2078110	20.87%	1.826%
92	15.151	2215	2221	2224	rVV	2648181	3376216	33.90%	2.966%
93	15.192	2225	2228	2231	rVV	452900	602162	6.05%	0.529%
94	15.227	2231	2234	2239	rVB2	821940	1039728	10.44%	0.913%
95	15.698	2311	2314	2319	rVB2	208828	278628	2.80%	0.245%
96	16.527	2448	2455	2461	rVB2	960456	1805701	18.13%	1.586%
97	16.674	2476	2480	2484	rBV	196817	328489	3.30%	0.289%
98	16.727	2485	2489	2494	rVV2	191144	301489	3.03%	0.265%
99	16.927	2516	2523	2534	rVB	709476	1439736	14.46%	1.265%
100	17.133	2553	2558	2564	rBV	238290	390632	3.92%	0.343%

Sum of corrected areas: 113827272

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
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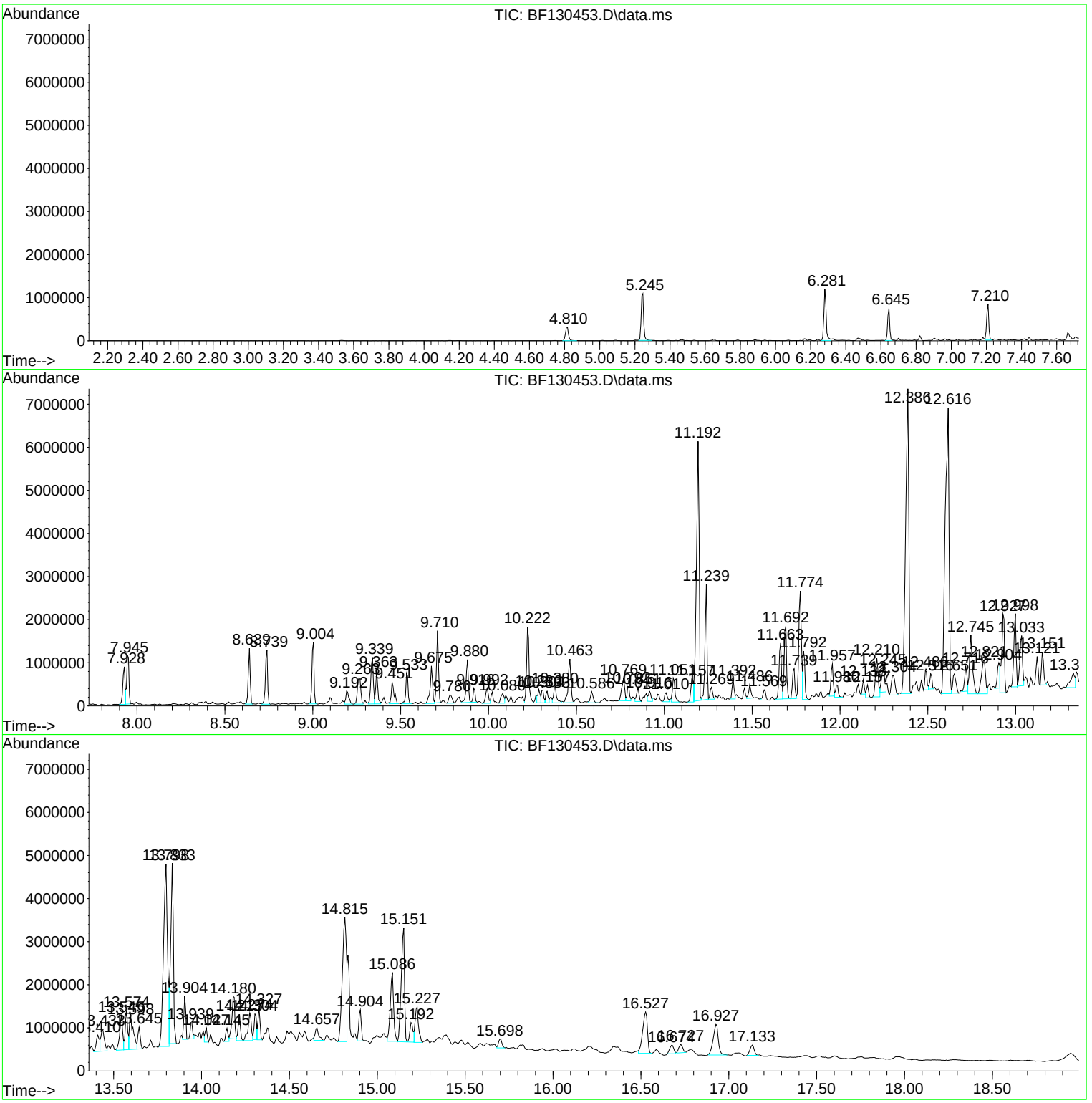
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

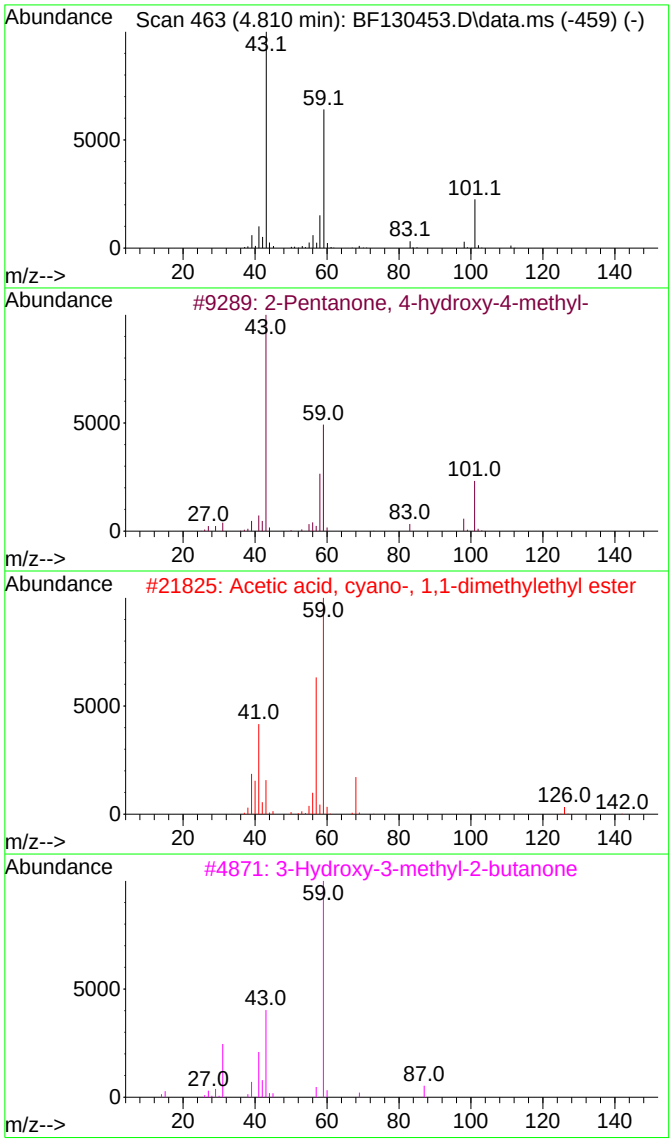
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

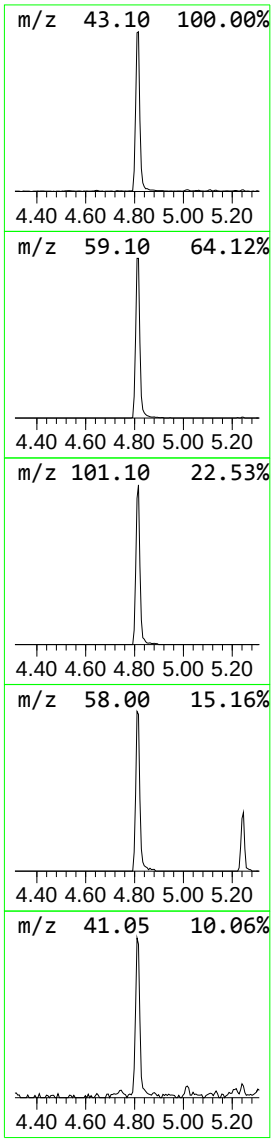
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.810	12.54 ng	380933	1,4-Dichlorobenzene-d4	6.645

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	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\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

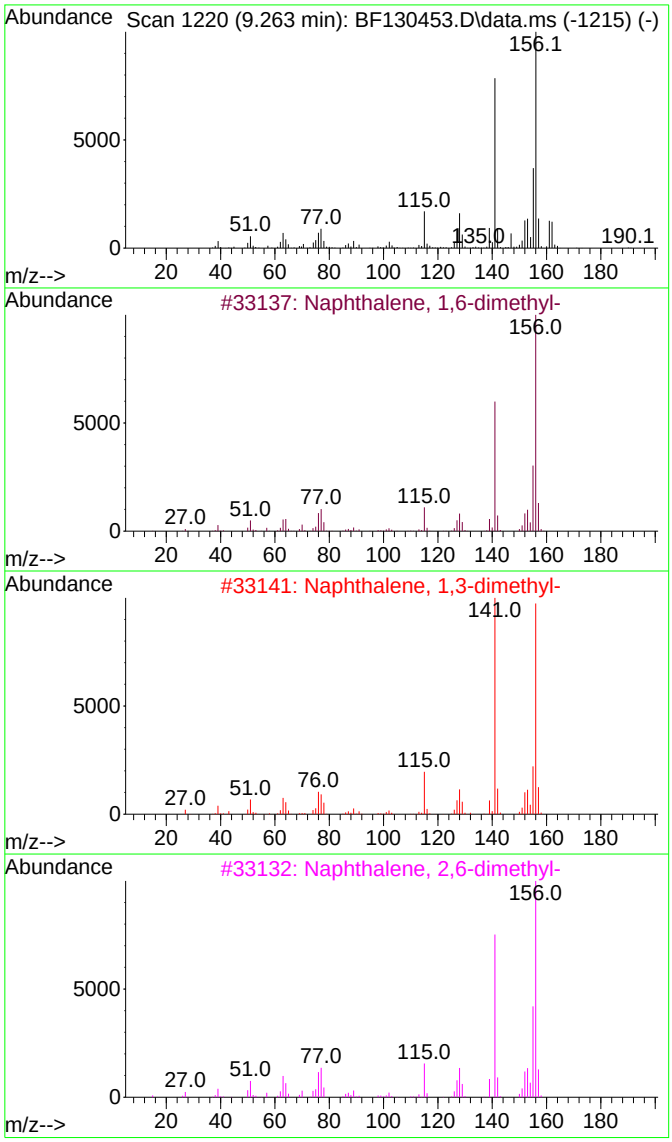
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

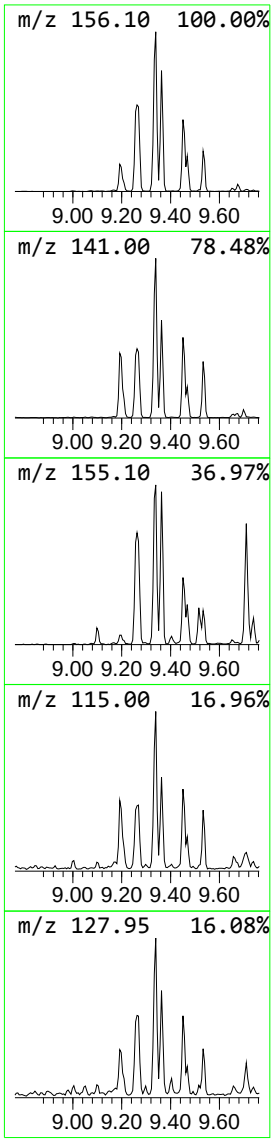
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	19.46 ng	812338	Acenaphthene-d10	9.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

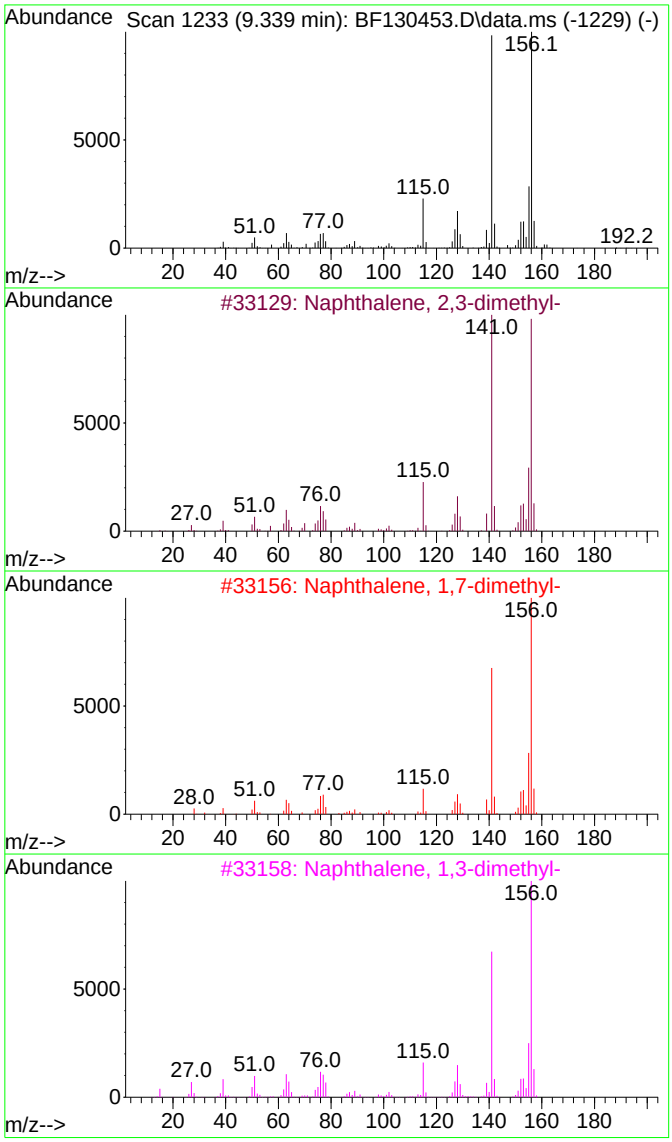
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

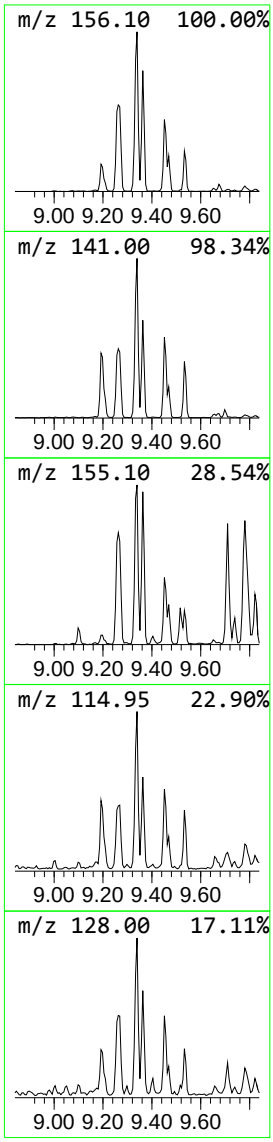
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.339	24.79 ng	1034510	Acenaphthene-d10	9.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

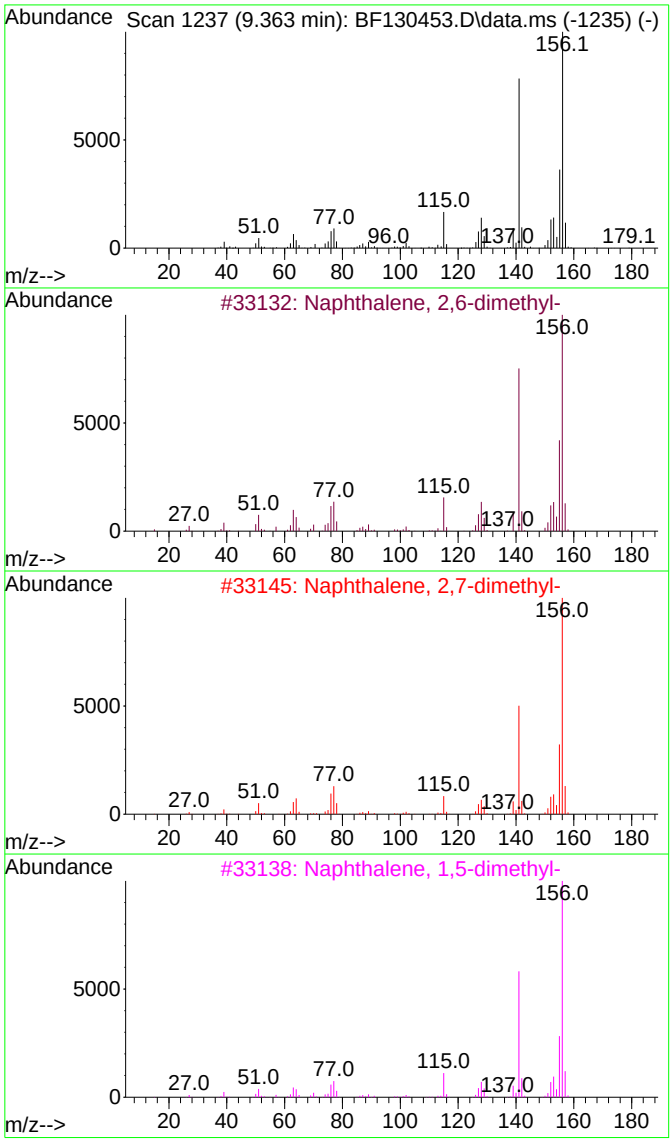
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

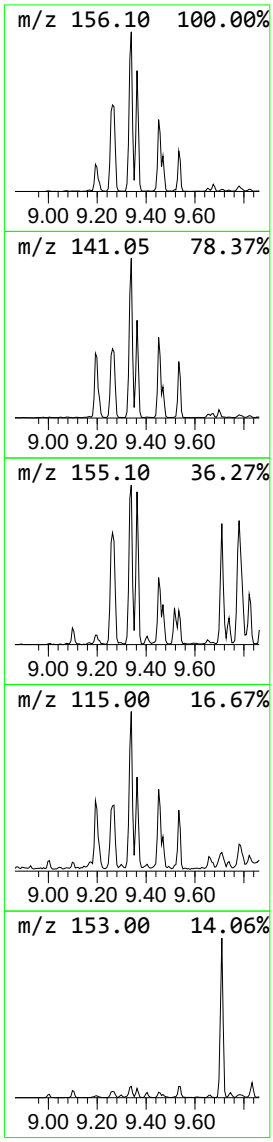
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	14.71 ng	613873	Acenaphthene-d10	9.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

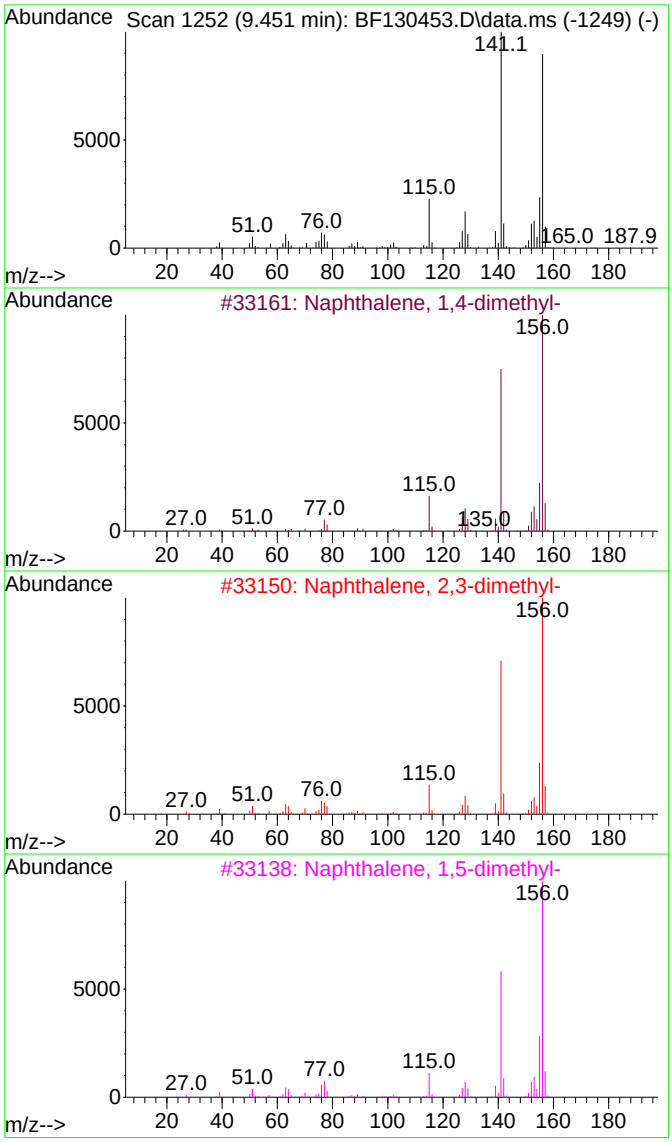
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

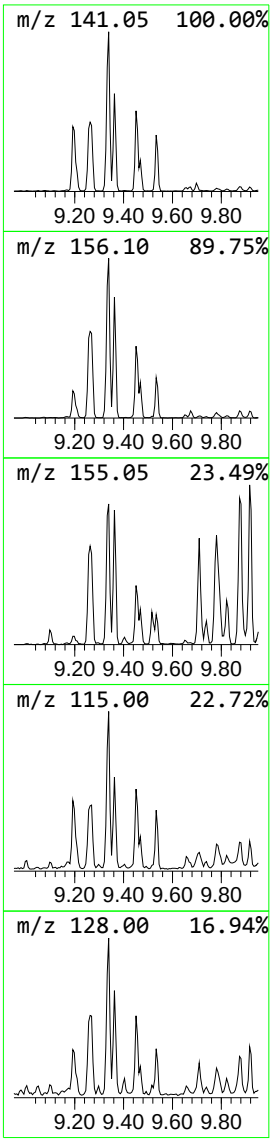
****

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.451	13.84 ng	577461	Acenaphthene-d10	9.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





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Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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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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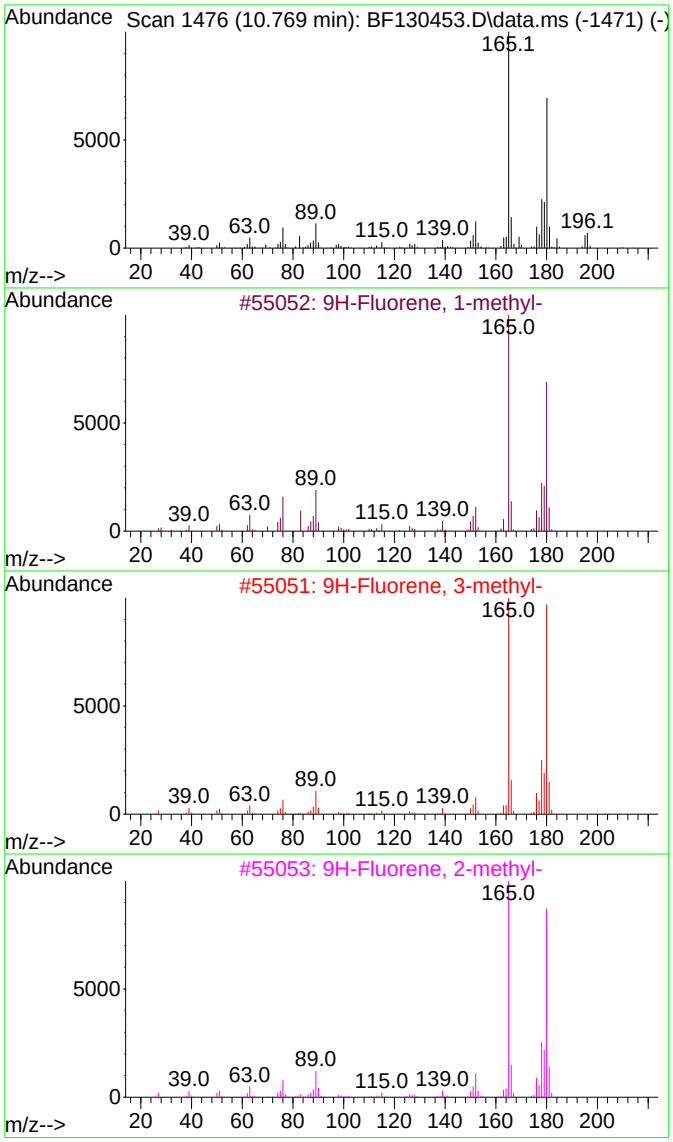
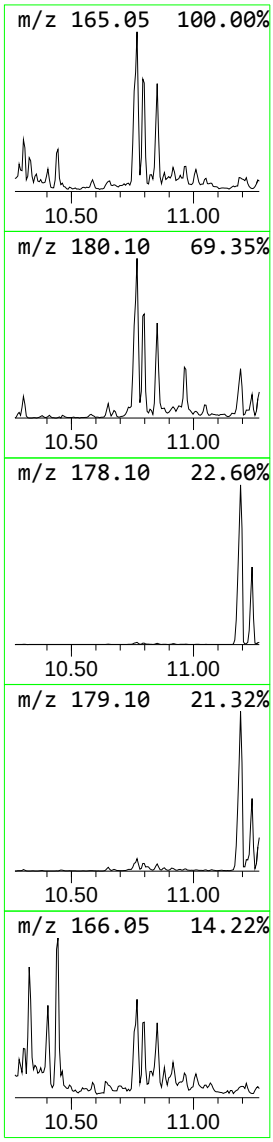
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.769	18.62 ng	601180	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





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Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-092722

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

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

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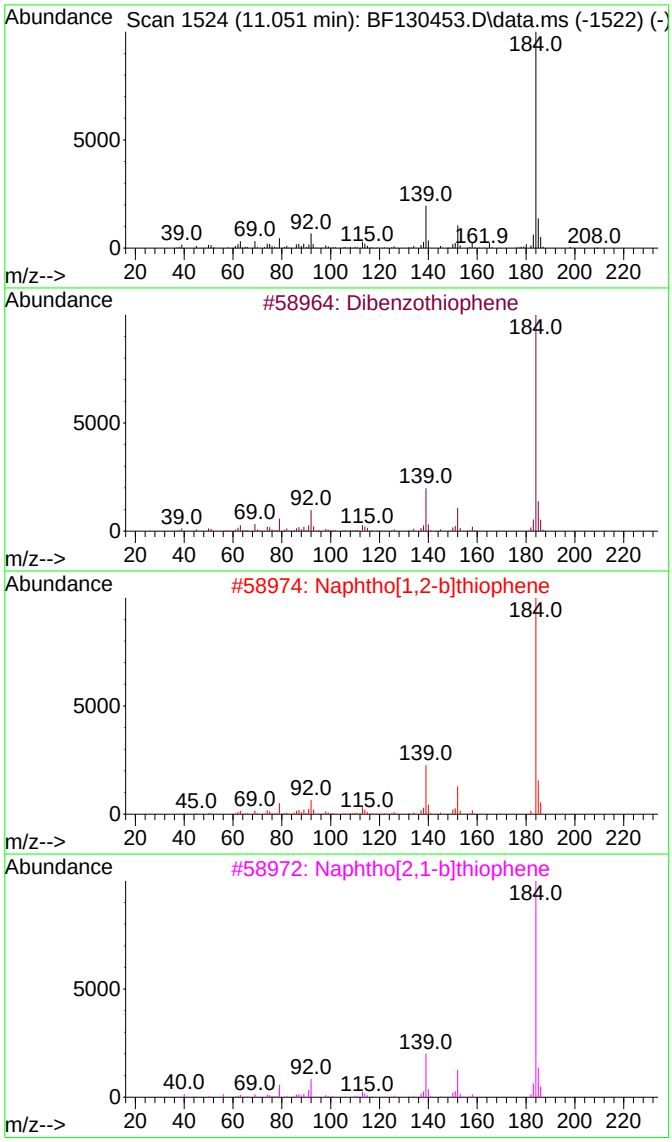
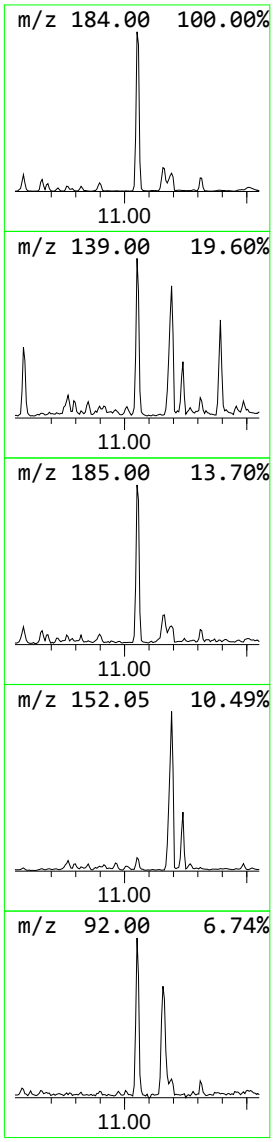
Peak Number 7 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.051	17.42 ng	562343	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	52





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Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

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

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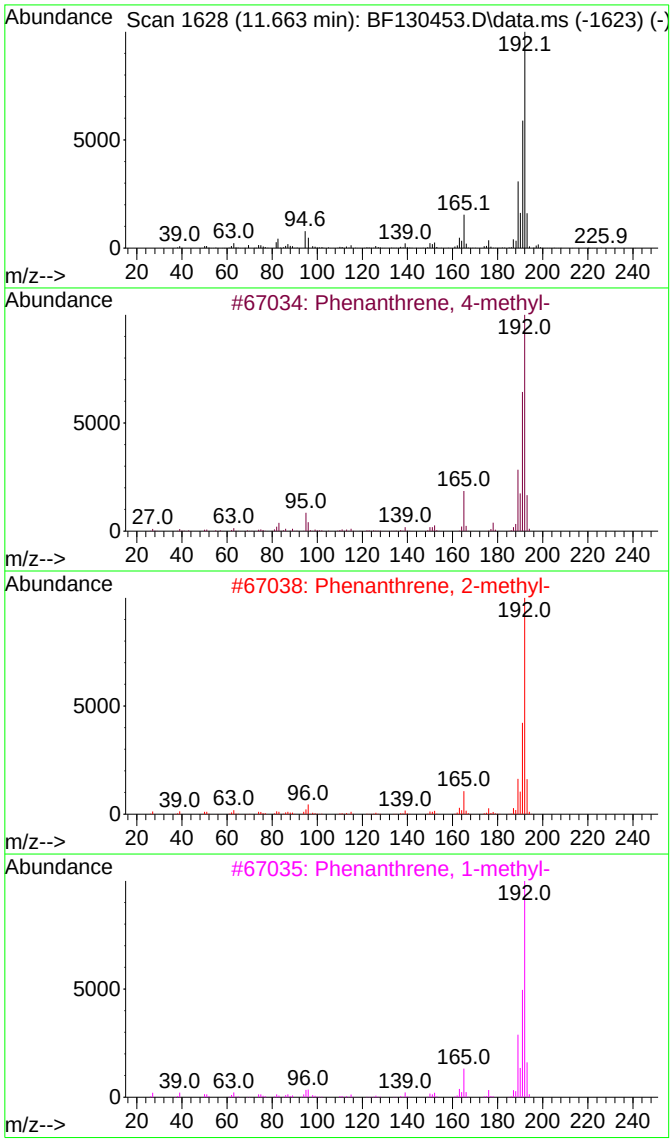
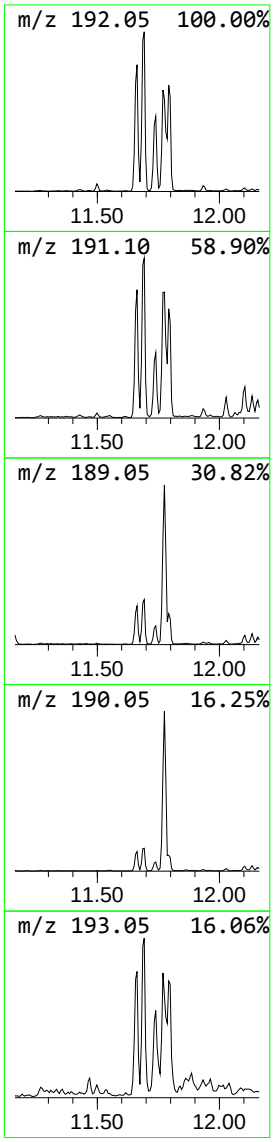
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.663	38.76 ng	1251410	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

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

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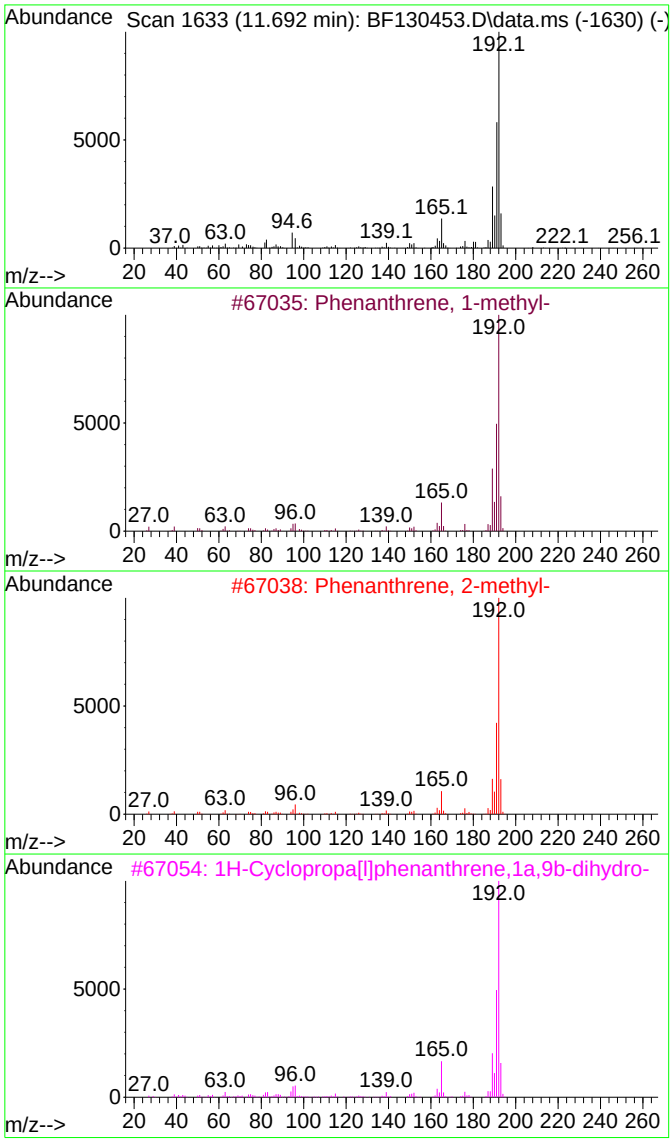
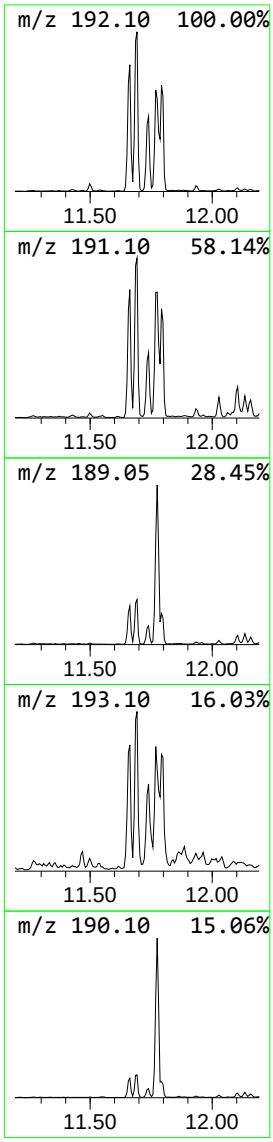
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	48.92 ng	1579540	Phenanthrene-d10	11.157

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





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Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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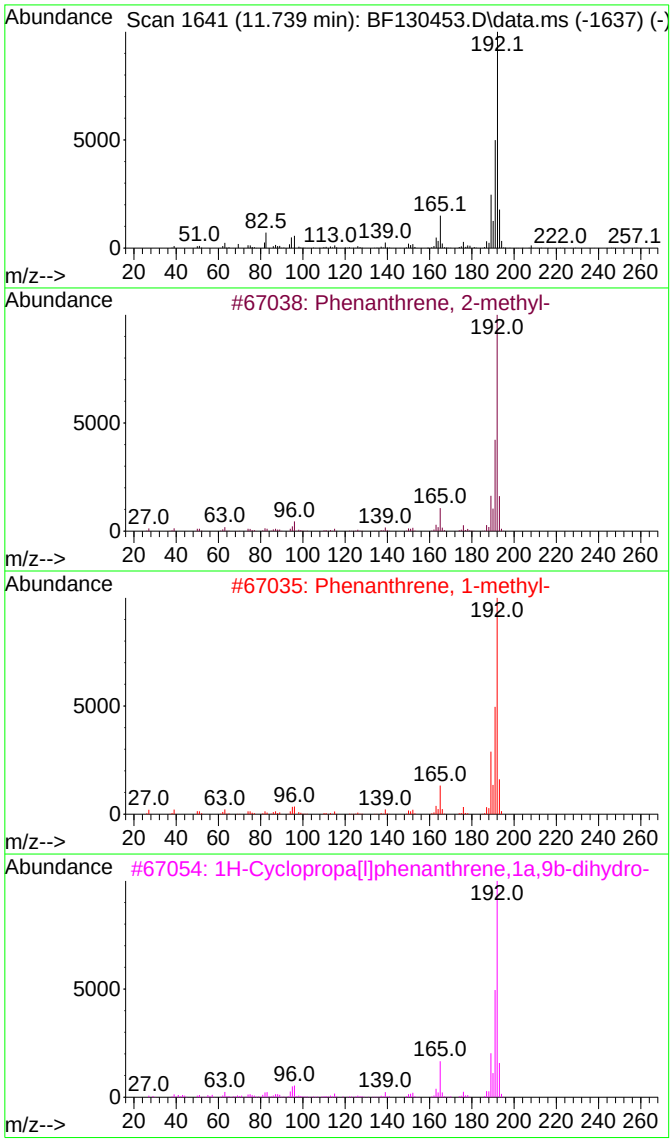
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

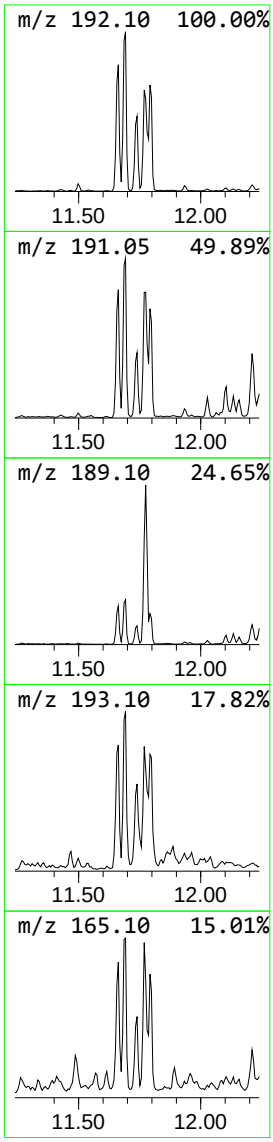
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.739	20.72 ng	669065	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-092722

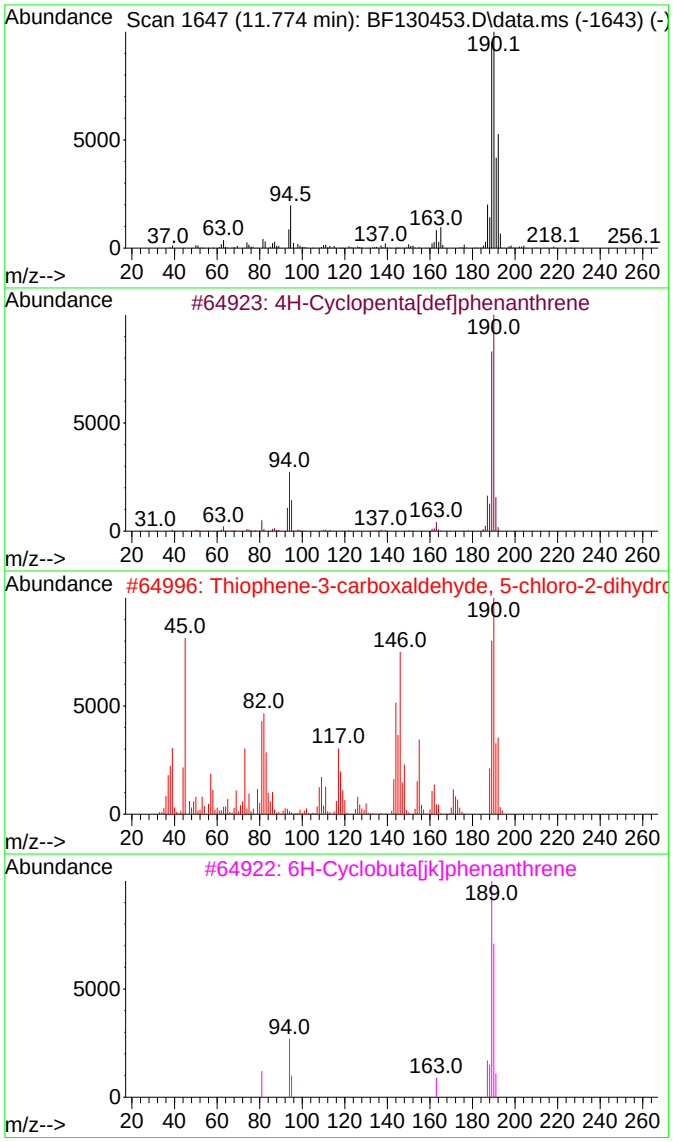
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

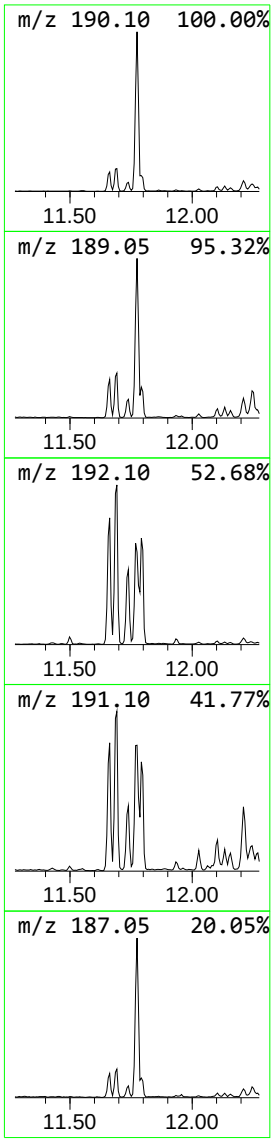
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	79.94 ng	2581110	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-092722

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

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

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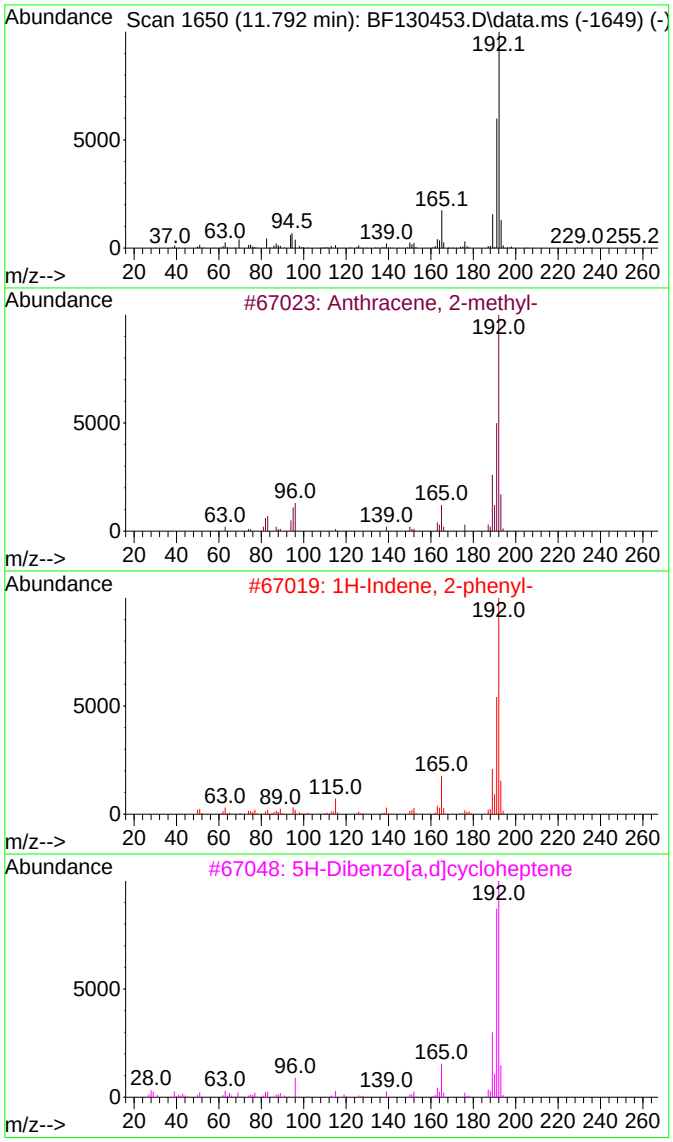
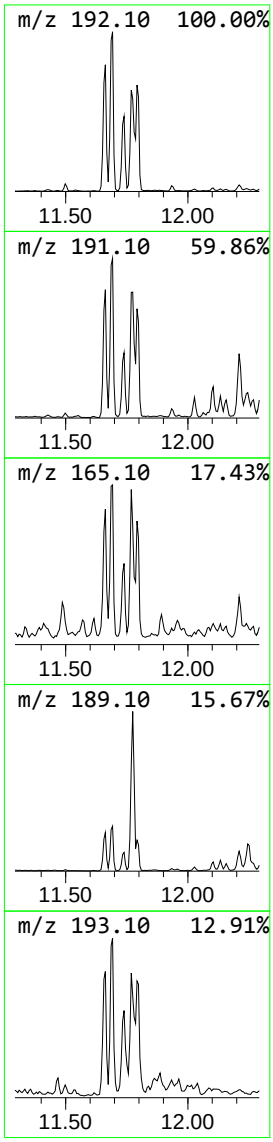
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	25.31 ng	817136	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





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Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-092722

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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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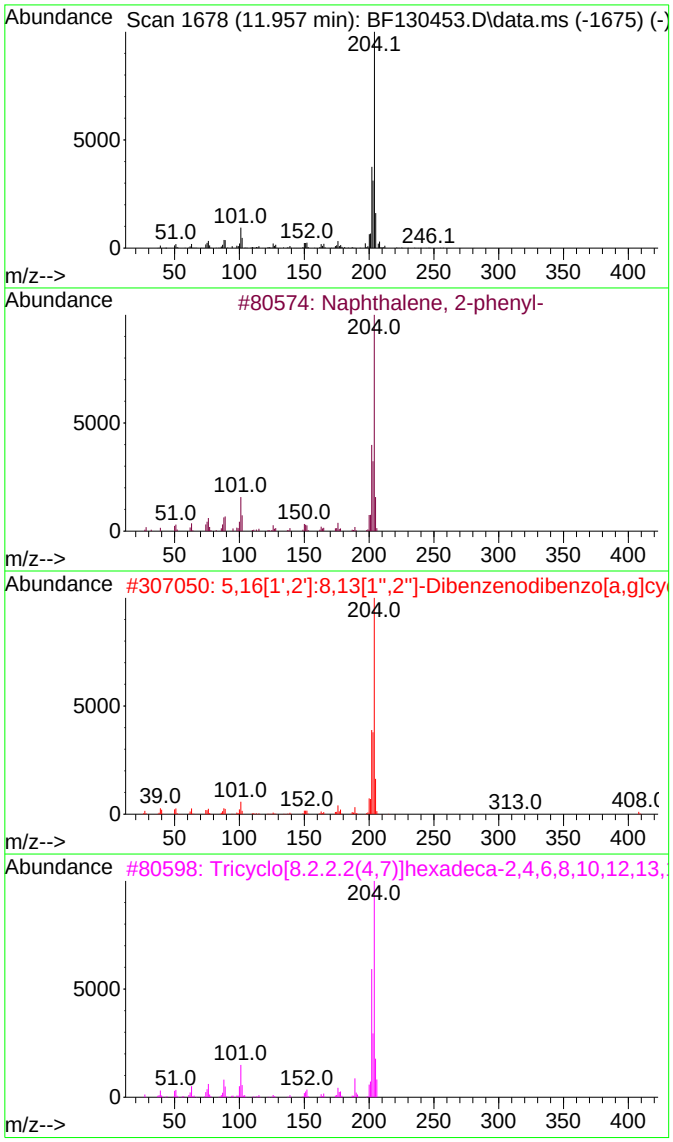
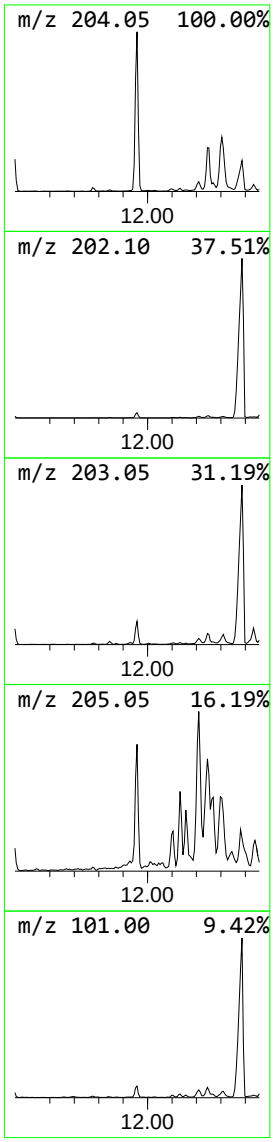
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	20.46 ng	660449	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
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	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-092722

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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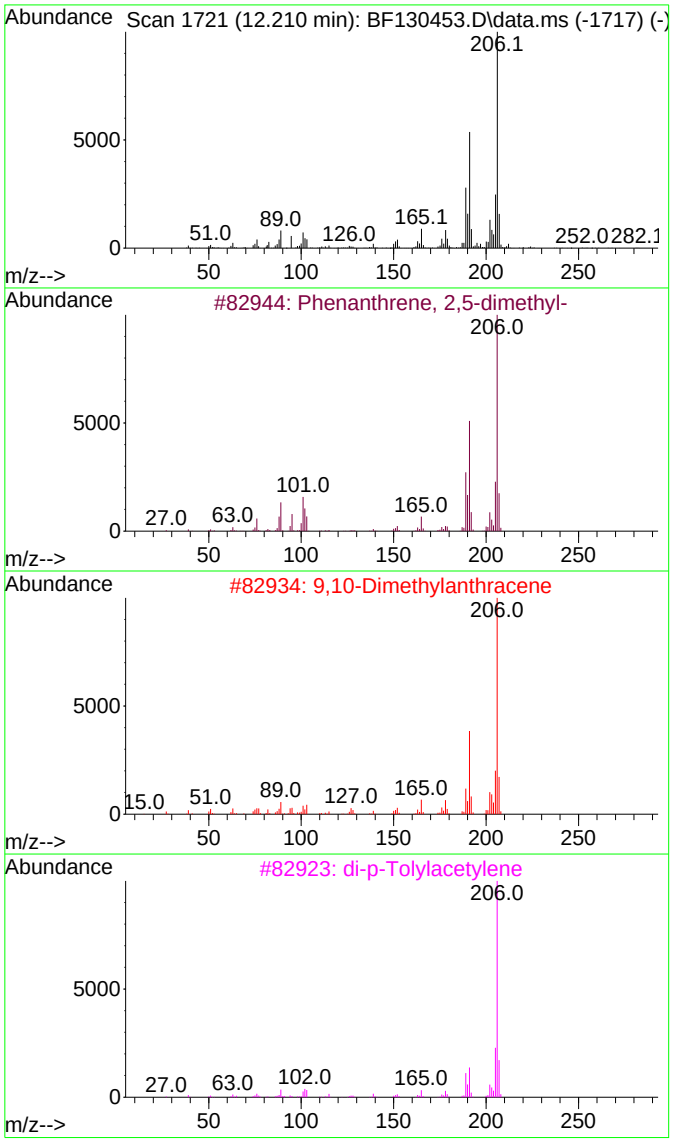
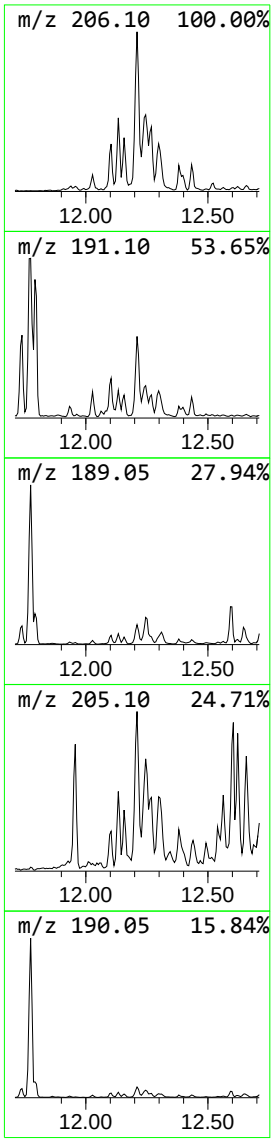
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	31.94 ng	1031280	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-092722

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

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

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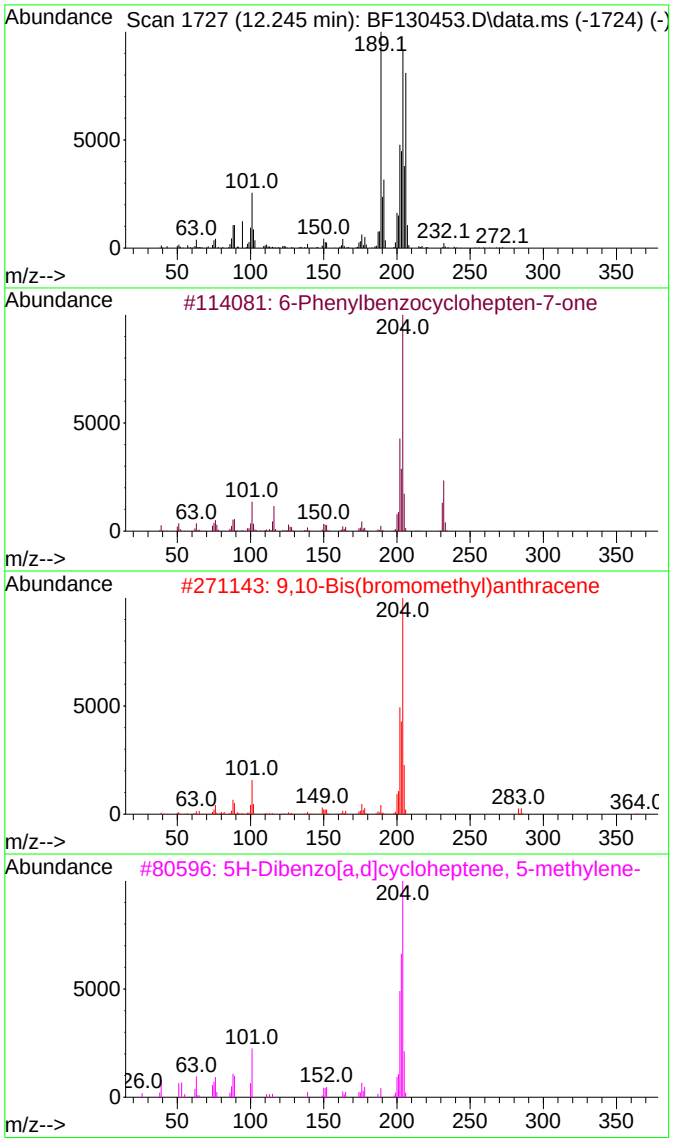
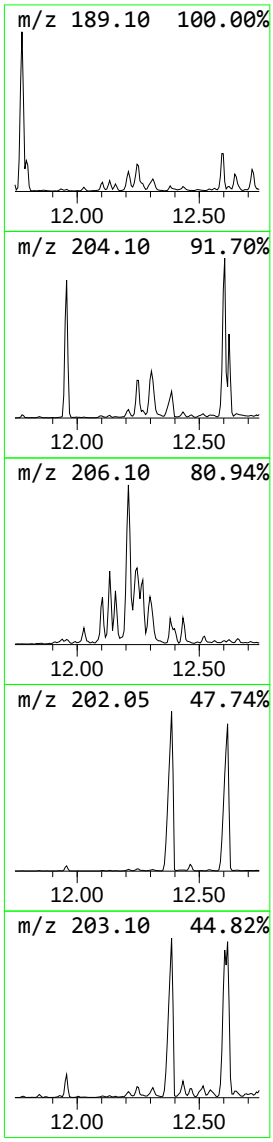
Peak Number 15 unknown12.245 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	21.95 ng	708648	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	42
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	30
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





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Misc :
ALS Vial : 14 Sample Multiplier: 1

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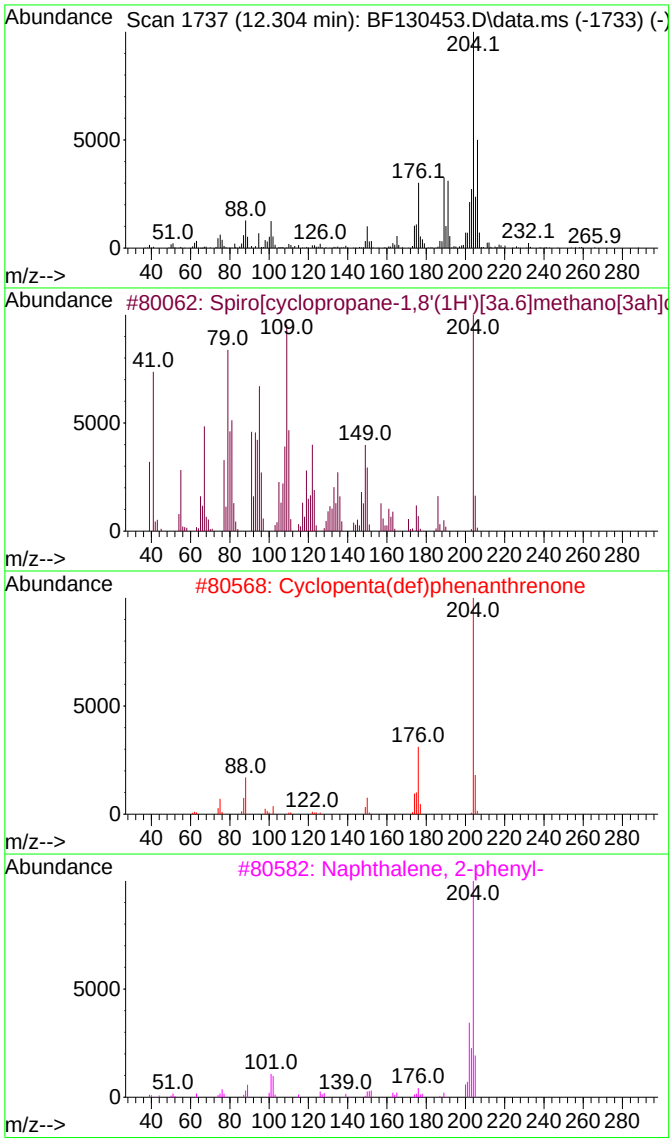
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

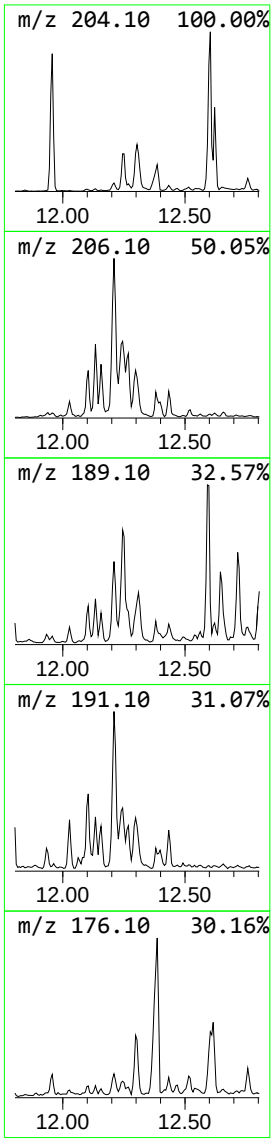
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Spiro[cyclopropane-1,8'(1H'... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	20.19 ng	651748	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[cyclopropane-1,8'(1H')[3a....	204	C14H20O	452049-62-6	92
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	47
5	4-Methyl-1H-benzimidazole, 1TMS ...	204	C11H16N2Si	1000486-24-6	46





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Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

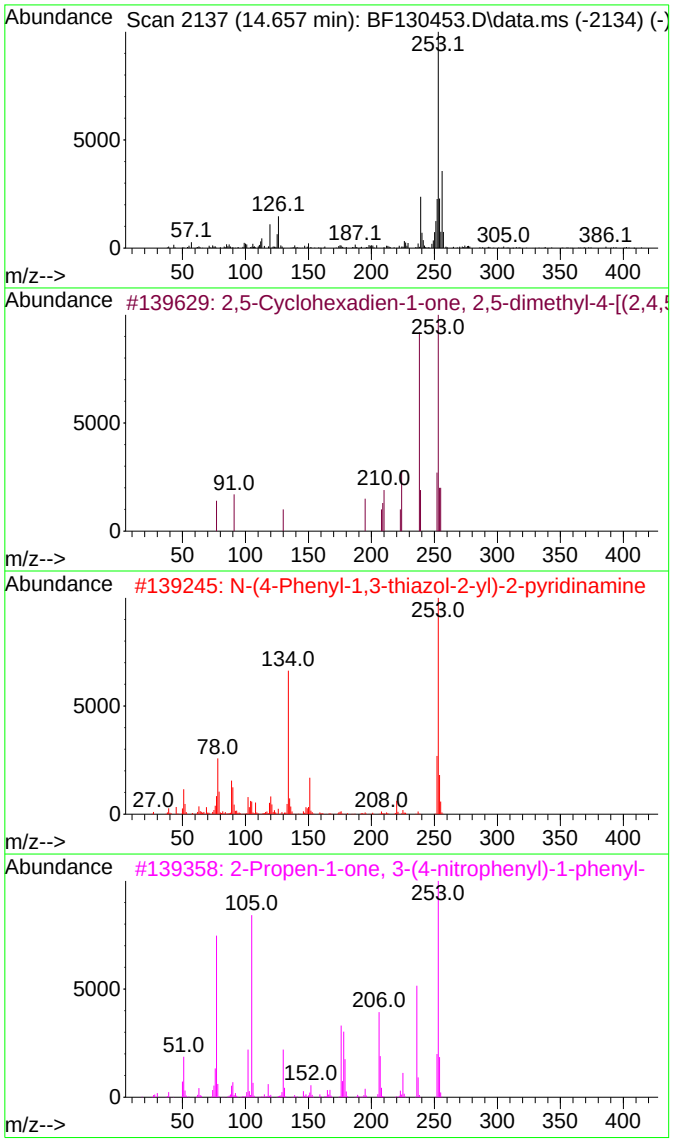
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

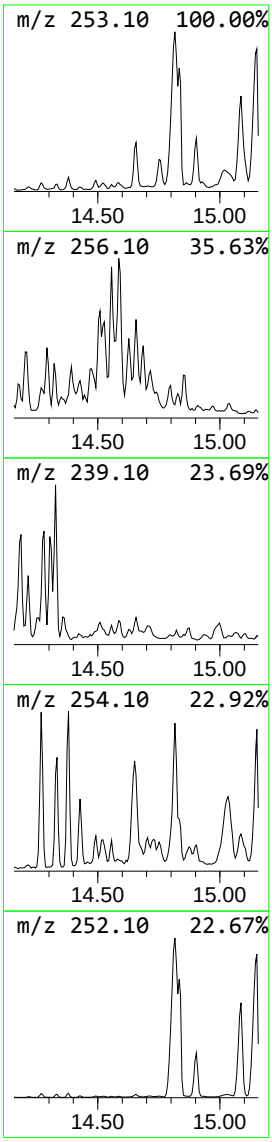
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2,5-Cyclohexadien-1-one, 2,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.657	13.17 ng	396617	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	53
2	N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	49
3	2-Propen-1-one, 3-(4-nitrophenyl...	253	C15H11NO3	001222-98-6	47
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	46
5	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

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

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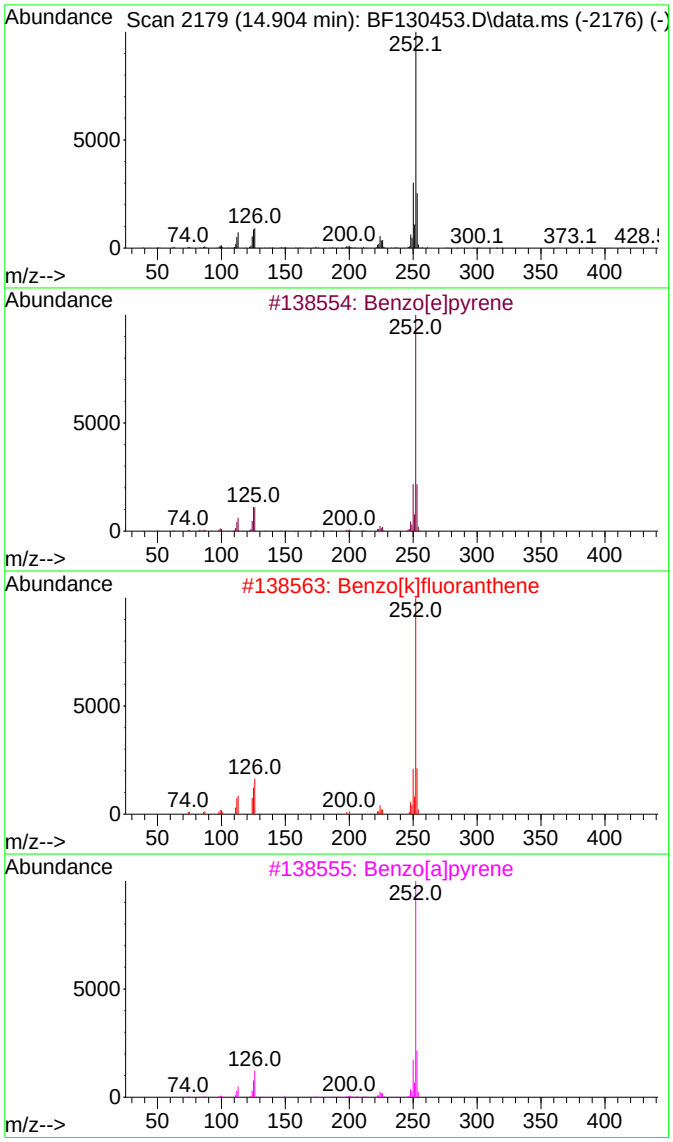
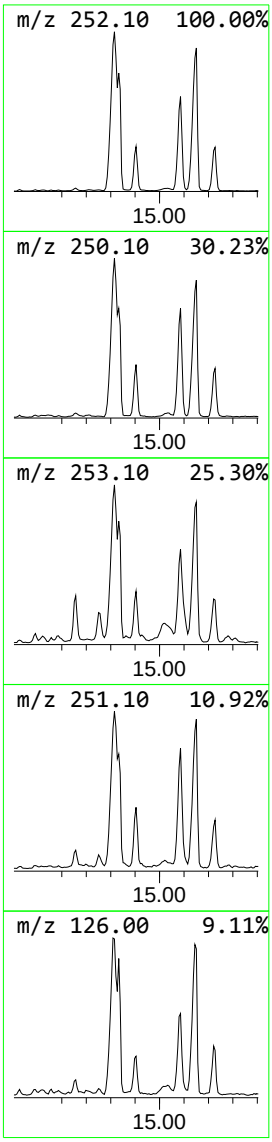
Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.904	23.28 ng	700994	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





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Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

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

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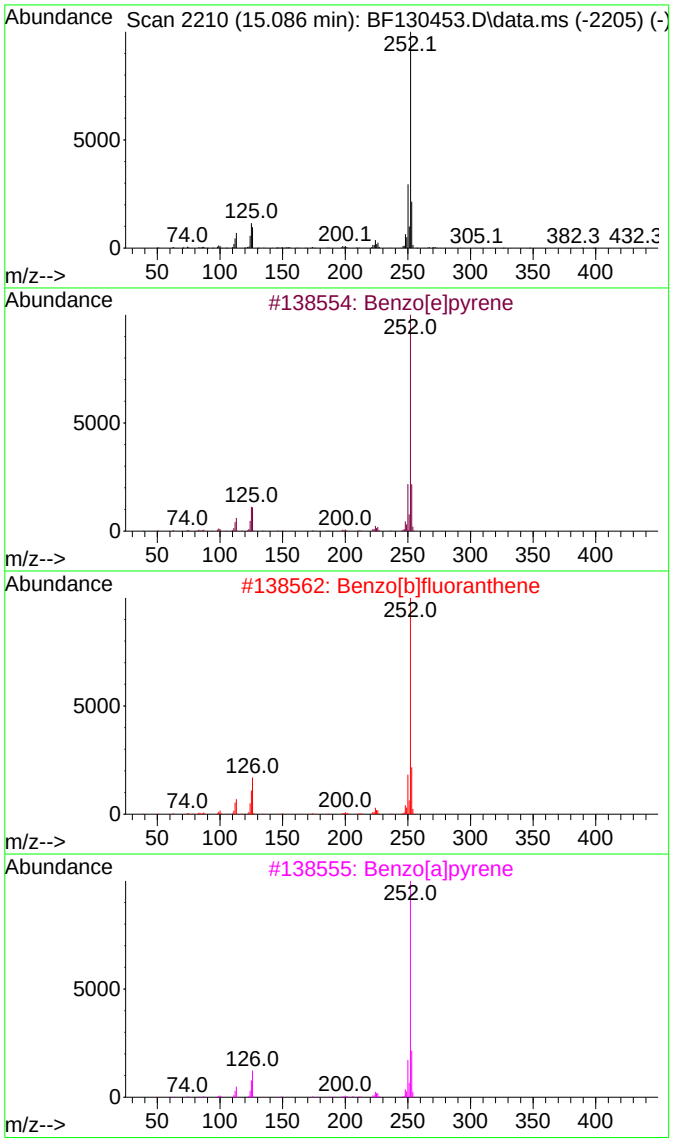
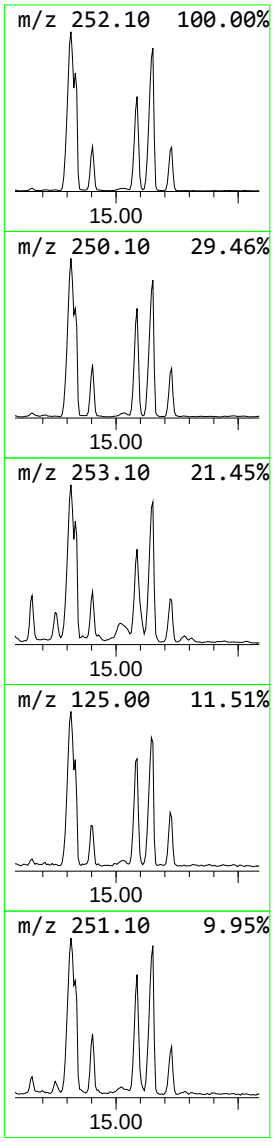
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	69.02 ng	2078110	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Perylene	252	C20H12	000198-55-0	89





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Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

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

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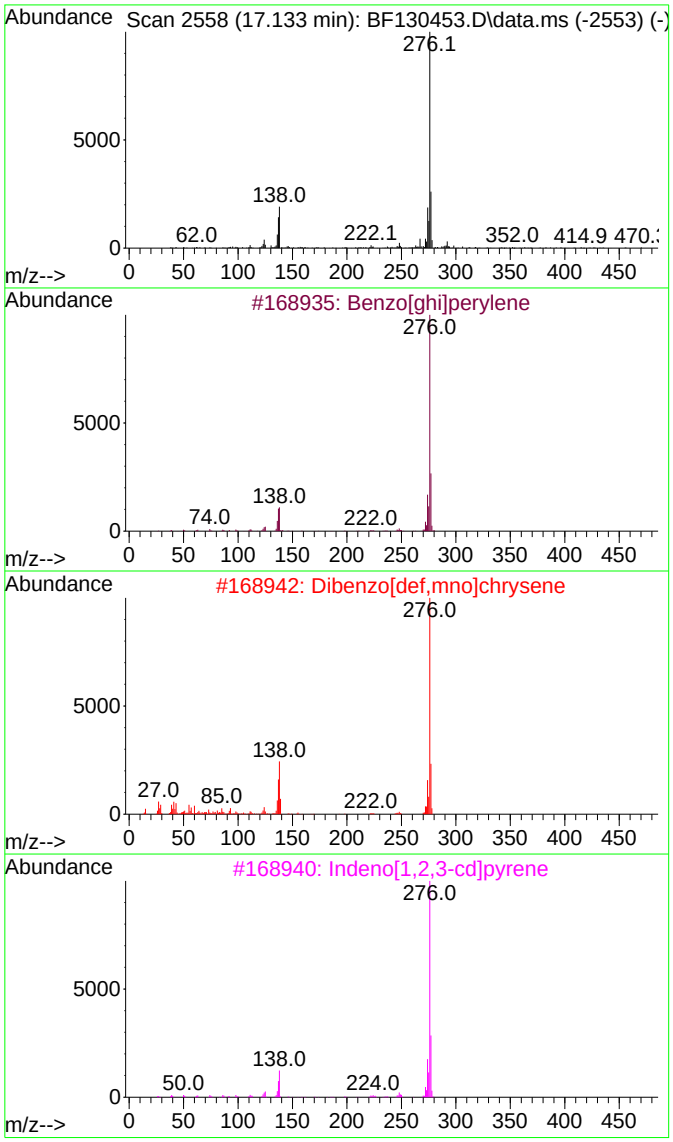
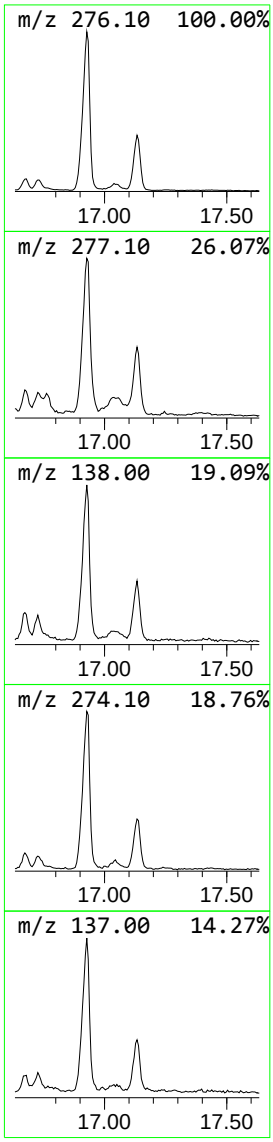
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.133	12.97 ng	390632	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	53
5	2-Naphthalenol, 1-[(2,4-dimethyl...	276	C18H16N2O	003118-97-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
Data File : BF130453.D
Acq On : 28 Sep 2022 18:01
Operator : CG\JU
Sample : N4857-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-092722

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.810	12.5	ng	380933	1	6.645	607760	20.0
Naphthalene, 1,...	9.263	19.5	ng	812338	3	9.675	834747	20.0
Naphthalene, 2,...	9.339	24.8	ng	1034510	3	9.675	834747	20.0
Naphthalene, 2,...	9.363	14.7	ng	613873	3	9.675	834747	20.0
Naphthalene, 1,...	9.451	13.8	ng	577461	3	9.675	834747	20.0
9H-Fluorene, 1-...	10.769	18.6	ng	601180	4	11.157	645756	20.0
Dibenzothiophene	11.051	17.4	ng	562343	4	11.157	645756	20.0
Phenanthrene, 4...	11.663	38.8	ng	1251410	4	11.157	645756	20.0
Phenanthrene, 1...	11.692	48.9	ng	1579540	4	11.157	645756	20.0
Phenanthrene, 2...	11.739	20.7	ng	669065	4	11.157	645756	20.0
4H-Cyclopenta[d...	11.774	79.9	ng	2581110	4	11.157	645756	20.0
Anthracene, 2-m...	11.792	25.3	ng	817136	4	11.157	645756	20.0
Naphthalene, 2-...	11.957	20.5	ng	660449	4	11.157	645756	20.0
Phenanthrene, 2...	12.210	31.9	ng	1031280	4	11.157	645756	20.0
unknown12.245	12.245	21.9	ng	708648	4	11.157	645756	20.0
Spiro[cycloprop...	12.304	20.2	ng	651748	4	11.157	645756	20.0
2,5-Cyclohexadi...	14.657	13.2	ng	396617	6	15.198	602162	20.0
Benzo[e]pyrene	14.904	23.3	ng	700994	6	15.198	602162	20.0
Benzo[j]fluoran...	15.086	69.0	ng	2078110	6	15.198	602162	20.0
Dibenzo[def,mno...	17.133	13.0	ng	390632	6	15.198	602162	20.0