LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122458.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	4	9	19	rVB	294292	406068	9.82%	0.593%
2	2.252	24	28	36	rVB	46330	67328	1.63%	0.098%
3	4.451	398	402	407	rBV	147308	162458	3.93%	0.237%
4	5.081	502	509	512	rBV	2071369	2666133	64.47%	3.896%
5	5.487	573	578	581	rBV	3653980	3537608	85.54%	5.169%
6	5.875	641	644	648	rBV	267078	230502	5.57%	0.337%
7	6.498	744	750	761	rBV	3390485	3840768	92.87%	5.612%
8	6.863	808	812	818	rBV	1224496	957004	23.14%	1.398%
9	7.428	903	908	911	rBV	2381344	2217375	53.62%	3.240%
10	8.151	1027	1031	1033	rBV	1306029	1145575	27.70%	1.674%
11	8.169	1033	1034	1042	rVB	214998	160547	3.88%	0.235%
12	8.863	1149	1152	1158	rBV	105254	86496	2.09%	0.126%
13	8.963	1165	1169	1172	rBV	105053	86297	2.09%	0.126%
14	9.228	1210	1214	1217	rBV	4289735	3618004	87.49%	5.287%
15	9.328	1224	1231	1236	rBV3	60129	78074	1.89%	0.114%
16	9.492	1255	1259	1262	rBV2	41502	55314	1.34%	0.081%
17	9.563	1268	1271	1274	rBV	102334	110413	2.67%	0.161%
18	9.622	1278	1281	1285	rVV	183827	165488	4.00%	0.242%
19	9.680	1288	1291	1296	rVB2	49807	58697	1.42%	0.086%
20	9.769	1301	1306	1311	rVB	164553	145236	3.51%	0.212%
21	9.910	1321	1330	1333	rBV	1415488	1307225	31.61%	1.910%
22	9.939	1333	1335	1338	rVB	483712	357670	8.65%	0.523%
23	10.063	1352	1356	1361	rBV2	58709	67944	1.64%	0.099%
24	10.110	1361	1364	1368	rBV	238316	214128	5.18%	0.313%
25	10.227	1377	1384	1386	rBV	70110	108349	2.62%	0.158%
26	10.257	1386	1389	1391	rVV	40436	48107	1.16%	0.070%
27	10.457	1419	1423	1428	rVB	408641	369814	8.94%	0.540%
28	10.616	1447	1450	1455	rVB	114836	114316	2.76%	0.167%
29	10.698	1459	1464	1468	rBV	2689180	2464293	59.59%	3.601%
30	10.822	1482	1485	1488	rBV2	54371	52879	1.28%	0.077%
31	11.004	1506	1516	1519	rBV4	112236	201035	4.86%	0.294%
32	11.033	1519	1521	1524	rVV3	74734	69210	1.67%	0.101%
33	11.086	1527	1530	1533	rVV2	56999	57341	1.39%	0.084%
34	11.133	1533	1538	1540	rVV3	75249	104130	2.52%	0.152%
35	11.157	1540	1542	1544	rVV	88424	78120	1.89%	0.114%
36	11.198	1546	1549	1553	rVV	135320	125573	3.04%	0.183%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.257	1553	1559	1562	rVV4	142608	219107	5.30%	0.320%
38	11.292	1562	1565	1571	rVB	229400	222176	5.37%	0.325%
39	11.398	1579	1583	1585	rBV	1297463	1350741	32.66%	1.974%
40	11.421	1585	1587	1590	rVV	3661588	2969337	71.80%	4.339%
41	11.469	1590	1595	1599	rVV	716138	739776	17.89%	1.081%
42	11.504	1599	1601	1605	rVB2	98824	91777	2.22%	0.134%
43	11.627	1616	1622	1624	rBV	325048	340107	8.22%	0.497%
44	11.692	1631	1633	1637	rBV2	111161	88724	2.15%	0.130%
45	11.727	1637	1639	1642	rBV2	70077	57033	1.38%	0.083%
46	11.810	1651	1653	1658	rVB2	44228	47597	1.15%	0.070%
47	11.898	1663	1668	1670	rBV	449047	412034	9.96%	0.602%
48	11.927	1670	1673	1678	rVV	895410	754369	18.24%	1.102%
49	11.974	1678	1681	1684	rVV	234324	197655	4.78%	0.289%
50	12.010	1684	1687	1690	rVV	669648	768268	18.58%	1.123%
51	12.033	1690	1691	1695	rVB	333789	204306	4.94%	0.299%
52	12.080	1695	1699	1701	rBV3	47119	59986	1.45%	0.088%
53	12.198	1716	1719	1720	rBV	286278	238240	5.76%	0.348%
54	12.216	1720	1722	1726	rVB	295322	248347	6.01%	0.363%
55	12.269	1729	1731	1736	rVB2	43954	46223	1.12%	0.068%
56	12.345	1739	1744	1747	rBV	138893	179588	4.34%	0.262%
57	12.380	1747	1750	1752	rBV2	103833	99020	2.39%	0.145%
58	12.404	1752	1754	1757	rVB	92992	74134	1.79%	0.108%
59	12.457	1759	1763	1766	rBV	244120	283933	6.87%	0.415%
60	12.492	1766	1769	1772	rVV	147621	176066	4.26%	0.257%
61	12.545	1775	1778	1783	rVB3	140856	188299	4.55%	0.275%
62	12.627	1787	1792	1795	rVV	3847051	3614586	87.40%	5.282%
63	12.657	1795	1797	1799	rVV	85867	91454	2.21%	0.134%
64	12.710	1803	1806	1808	rVV2	112778	112186	2.71%	0.164%
65	12.739	1809	1811	1813	rVV2	88157	101821	2.46%	0.149%
66	12.768	1813	1816	1819	rVV	156188	190797	4.61%	0.279%
67	12.845	1823	1829	1834	rVV2	3535576	4135522	100.00%	6.043%
68	12.892	1834	1837	1842	rVB2	183225	238383	5.76%	0.348%
69	12.963	1846	1849	1850	rVV	225387	207316	5.01%	0.303%
70	12.986	1850	1853	1860	rVB	3859423	3568564	86.29%	5.215%
71	13.063	1861	1866	1869	rVV2	241652	391013	9.45%	0.571%
72	13.092	1869	1871	1873	rVV	88208	69279	1.68%	0.101%
73	13.145	1877	1880	1881	rVV2	205193	198491	4.80%	0.290%
74	13.168	1882	1884	1888	rVB	501329	483714	11.70%	0.707%
75	13.239	1893	1896	1898	rVB	344010	281041	6.80%	0.411%
76	13.274	1898	1902	1905	rBV2	417771	420494	10.17%	0.614%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.333	1910	1912	1914	rBV	65958	48066	1.16%	0.070%
78	13.368	1915	1918	1921	rBV	218916	173280	4.19%	0.253%
79	13.398	1921	1923	1927	rBV	238229	211604	5.12%	0.309%
80	13.680	1968	1971	1975	rVB	239715	284829	6.89%	0.416%
81	13.792	1986	1990	1993	rBV3	251119	368945	8.92%	0.539%
82	13.821	1993	1995	1997	rVB	295411	201941	4.88%	0.295%
83	13.845	1997	1999	2003	rBV2	200726	225772	5.46%	0.330%
84	13.886	2004	2006	2007	rBV	183365	141155	3.41%	0.206%
85	14.039	2027	2032	2035	rBV2	2286230	3296890	79.72%	4.818%
86	14.068	2035	2037	2043	rVB	1611522	1647754	39.84%	2.408%
87	14.151	2049	2051	2054	rVB	303167	209636	5.07%	0.306%
88	14.268	2067	2071	2075	rBV2	159839	223164	5.40%	0.326%
89	14.433	2096	2099	2102	rVB	341157	297441	7.19%	0.435%
90	14.468	2102	2105	2107	rVB	196802	174494	4.22%	0.255%
91	14.557	2117	2120	2122	rBV	217812	225094	5.44%	0.329%
92	15.098	2207	2212	2220	rBV	1501836	3024899	73.14%	4.420%
93	15.204	2227	2230	2233	rVB	280745	266114	6.43%	0.389%
94	15.404	2260	2264	2270	rVB	956787	1341582	32.44%	1.960%
95	15.468	2270	2275	2281	rBV	1396935	1771623	42.84%	2.589%
96	15.533	2281	2286	2289	rVV	1047753	1452230	35.12%	2.122%
97	15.562	2289	2291	2298	rVB2	477713	578459	13.99%	0.845%
98	16.251	2405	2408	2421	rVB4	255794	508093	12.29%	0.742%
99	17.015	2532	2538	2546	rVB2	579718	1216348	29.41%	1.777%
100	17.456	2608	2613	2621	rVB	440144	846960	20.48%	1.238%

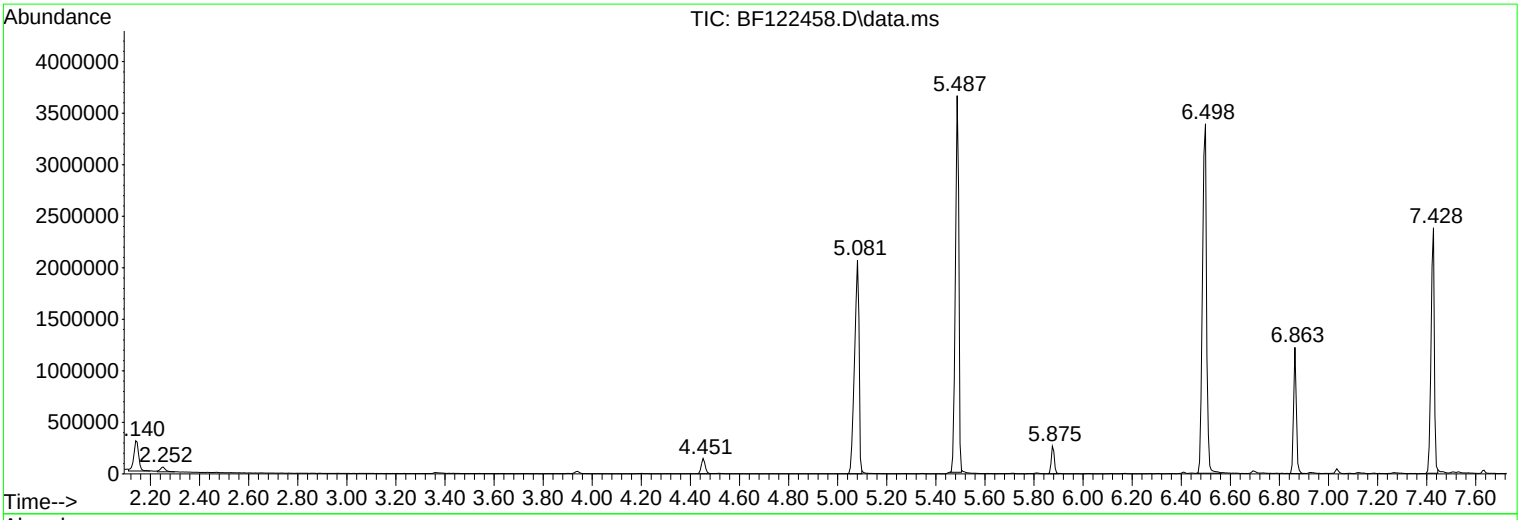
Sum of corrected areas: 68433396

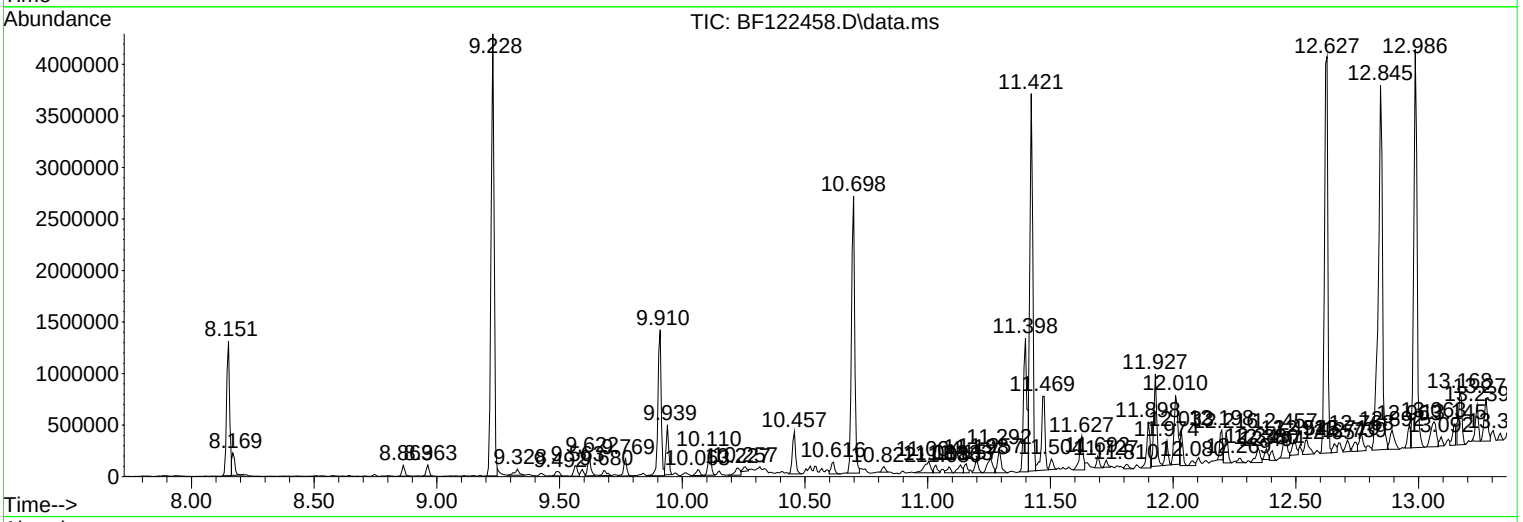
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

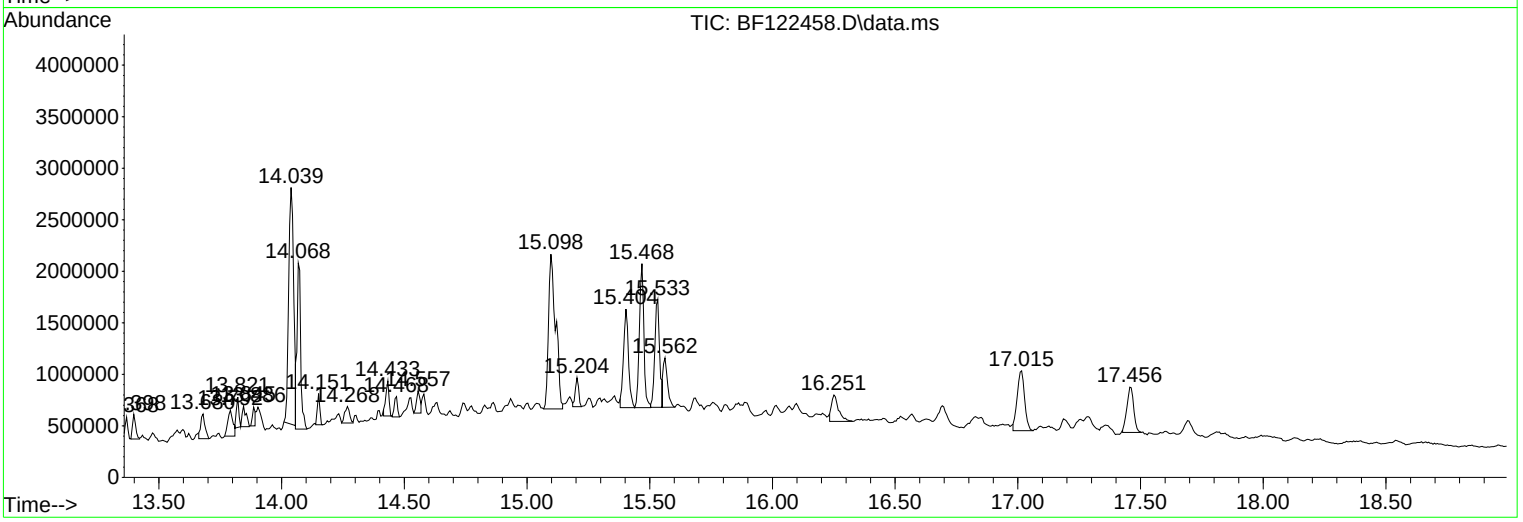
Instrument :
BNA_F
ClientSampleId :
TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

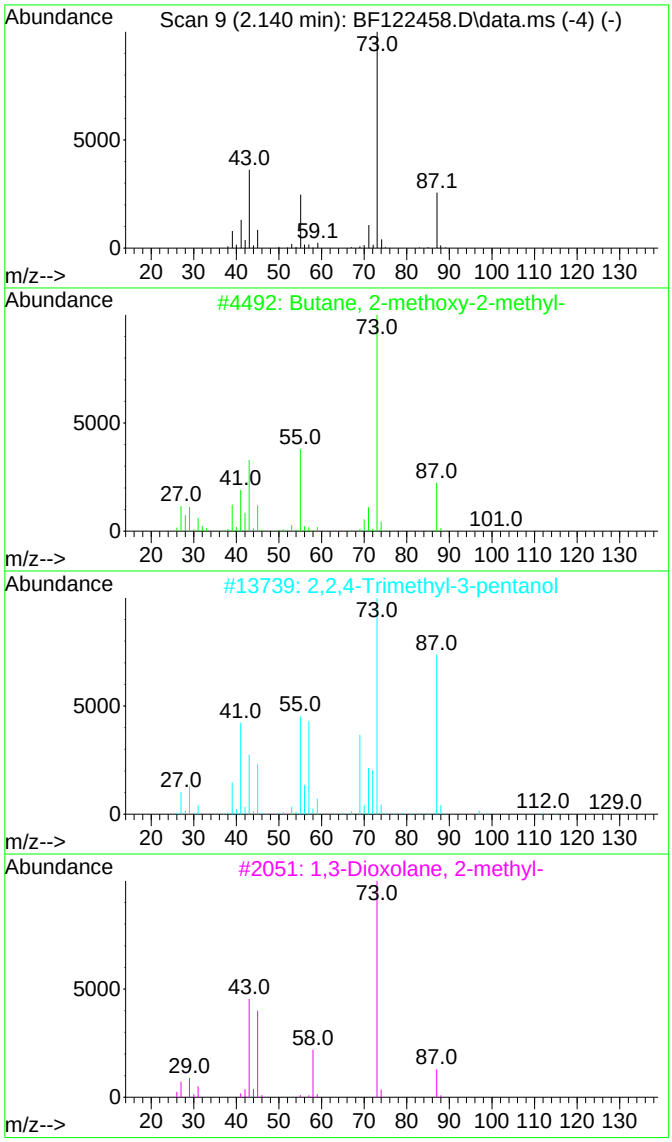
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

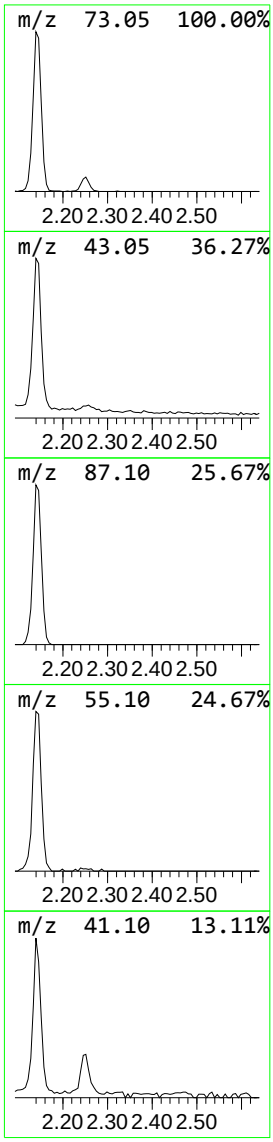
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	8.49 ng	406068	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

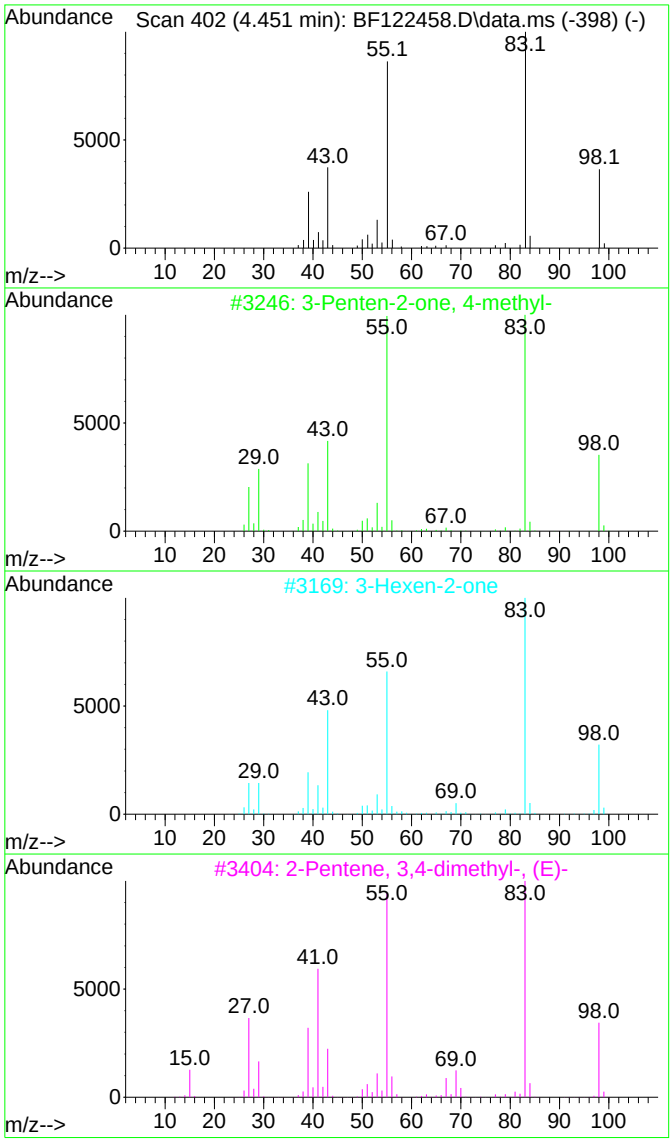
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

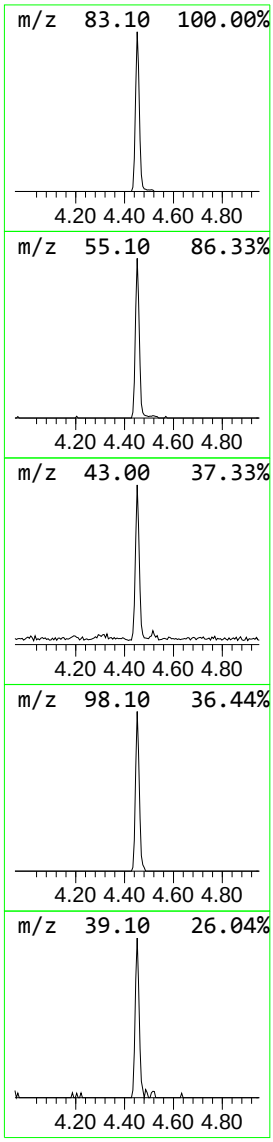
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.451	3.40 ng	162458	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

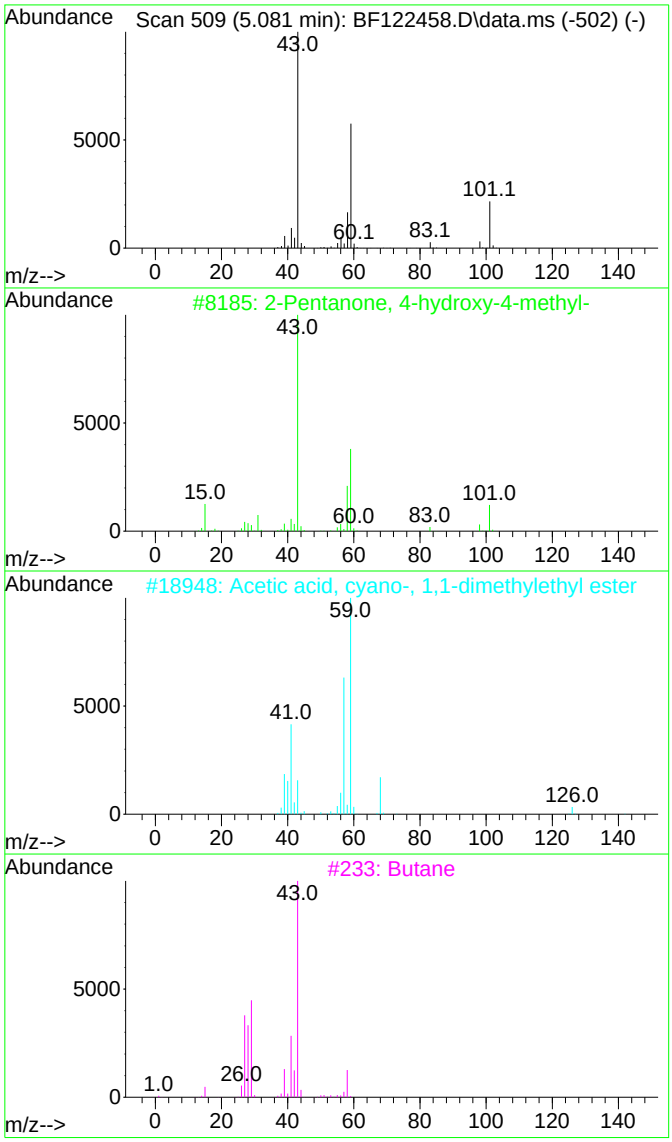
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

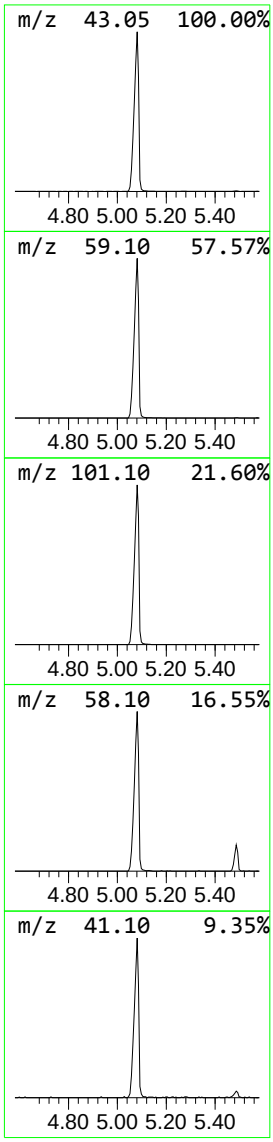
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	55.72 ng	2666130	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Butane	58	C4H10	000106-97-8	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

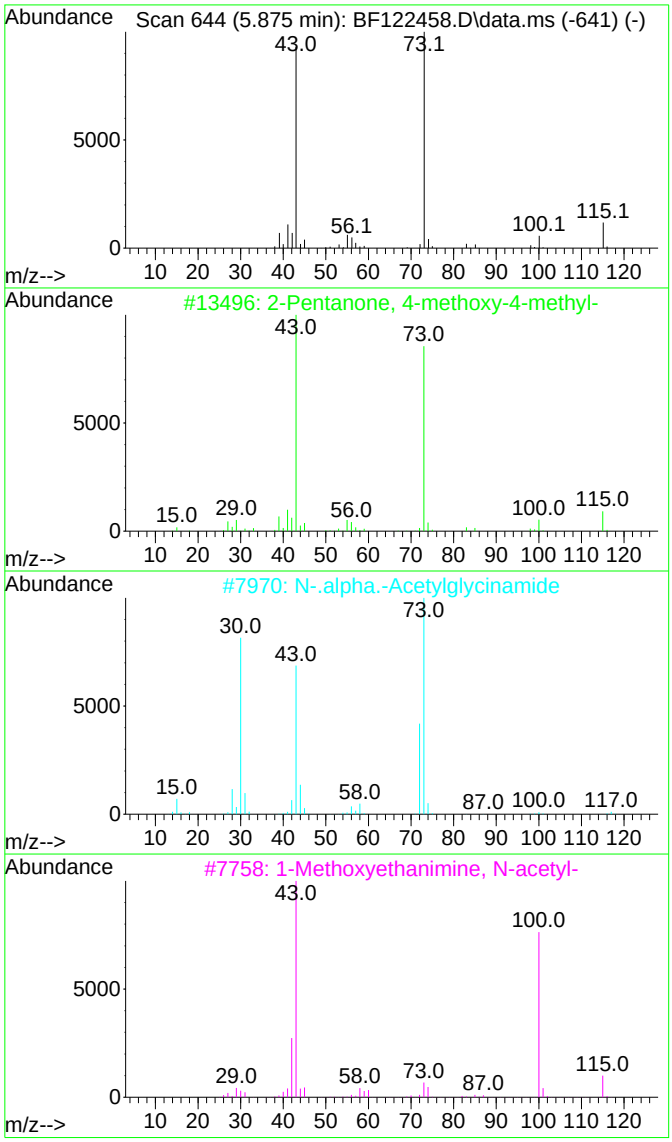
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

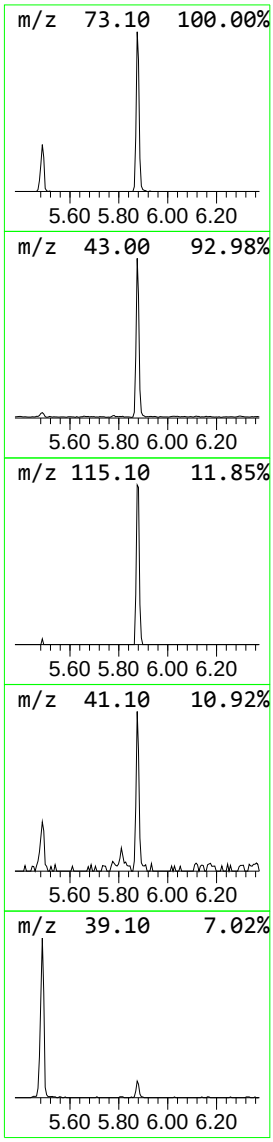
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Pentanone, 4-methoxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.875	4.82 ng	230502	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	47
3	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	28
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

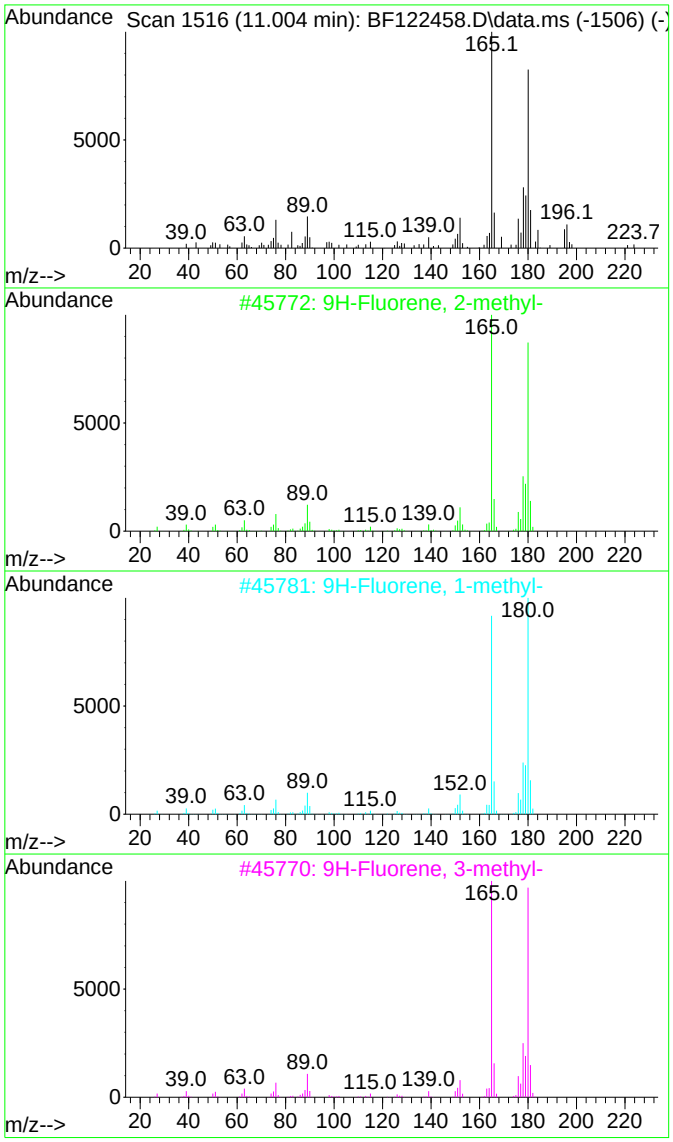
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

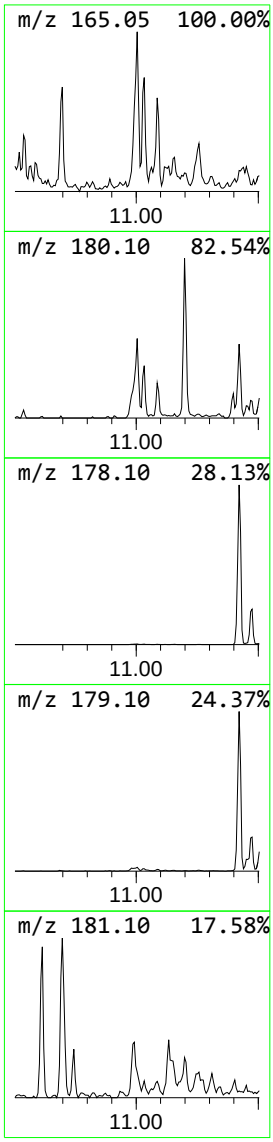
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	2.98 ng	201035	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

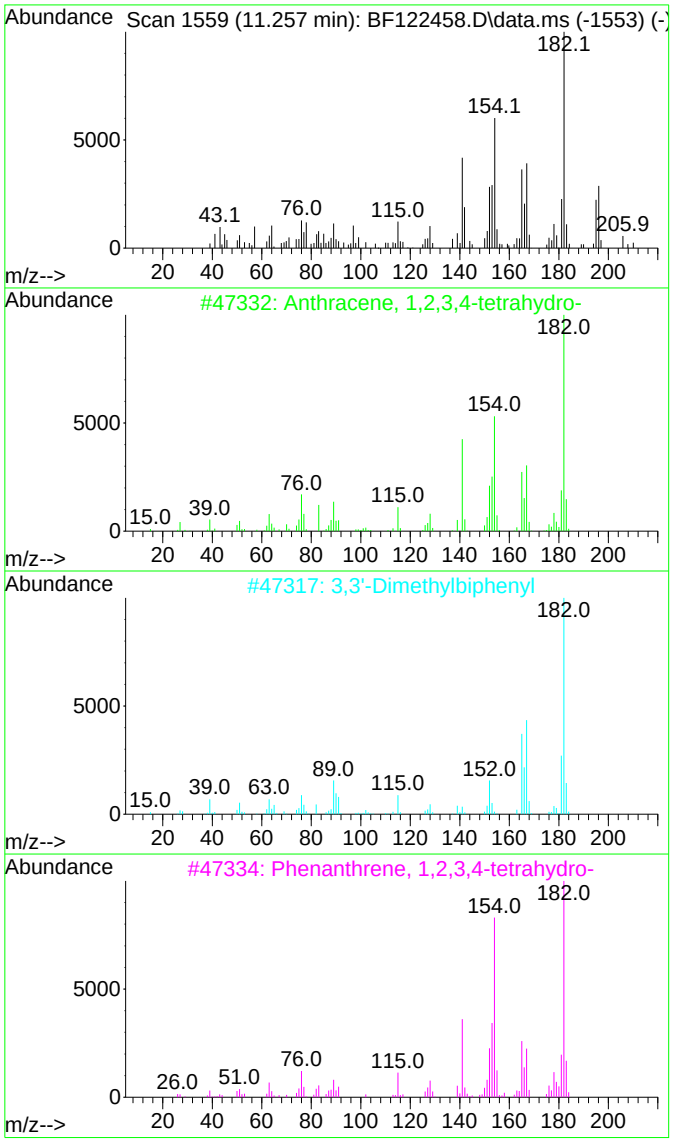
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

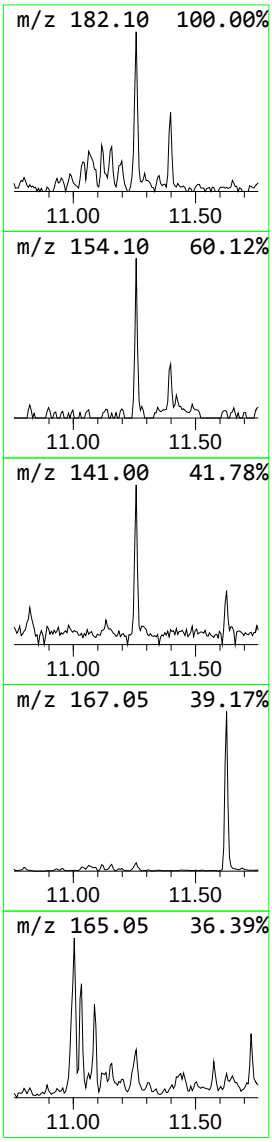
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	3.24 ng	219107	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	89
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	49
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

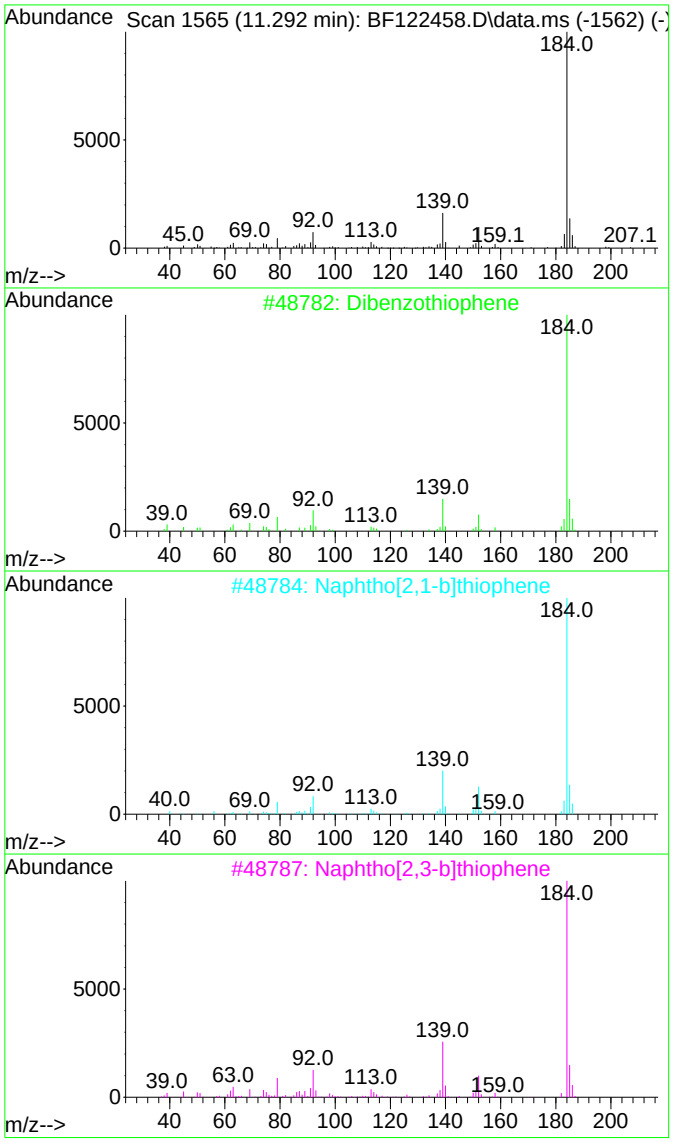
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

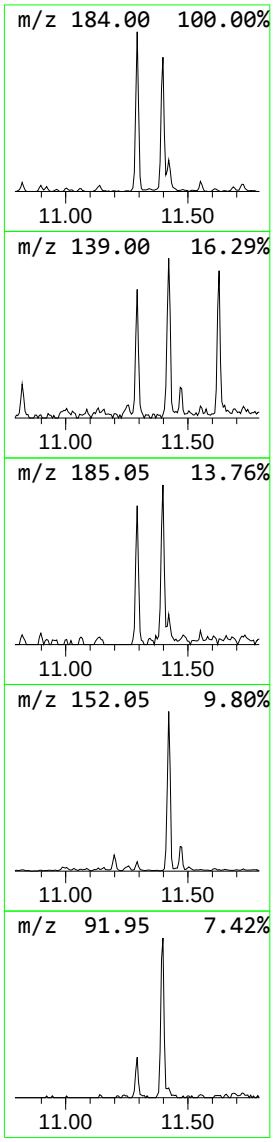
****

Peak Number 7 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	3.29 ng	222176	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

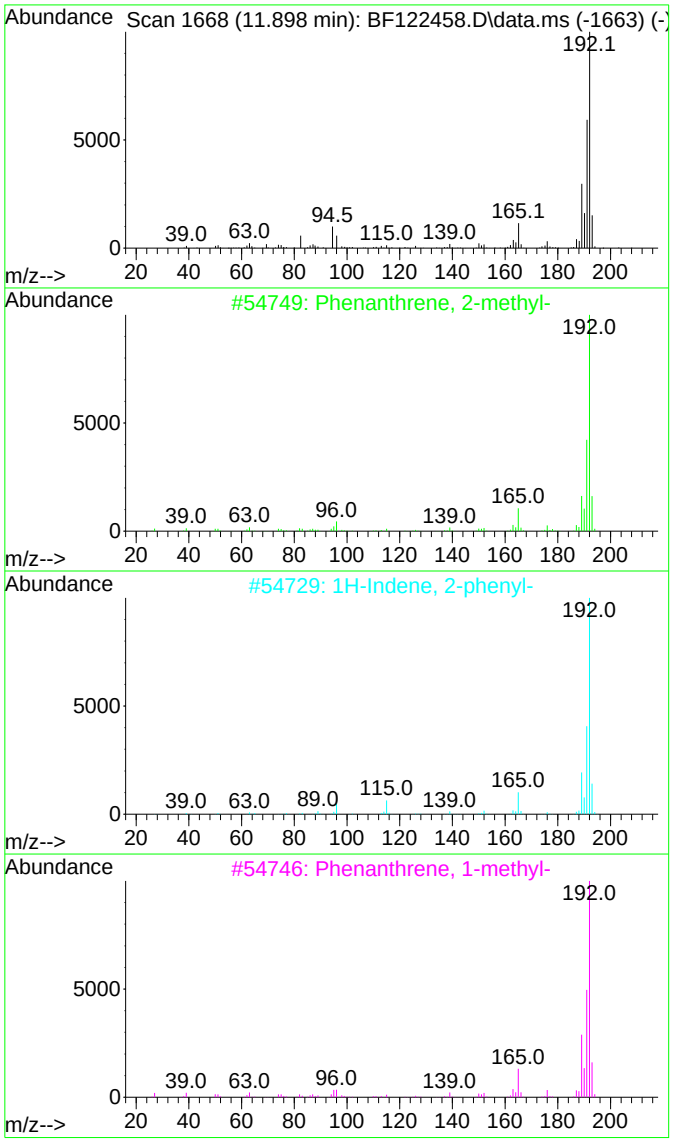
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

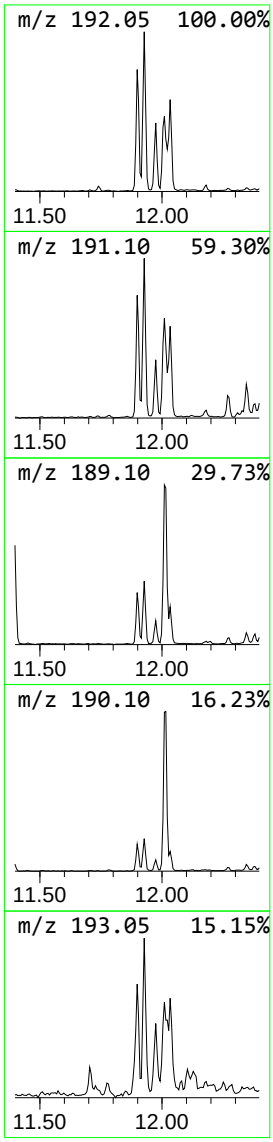
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	6.10 ng	412034	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

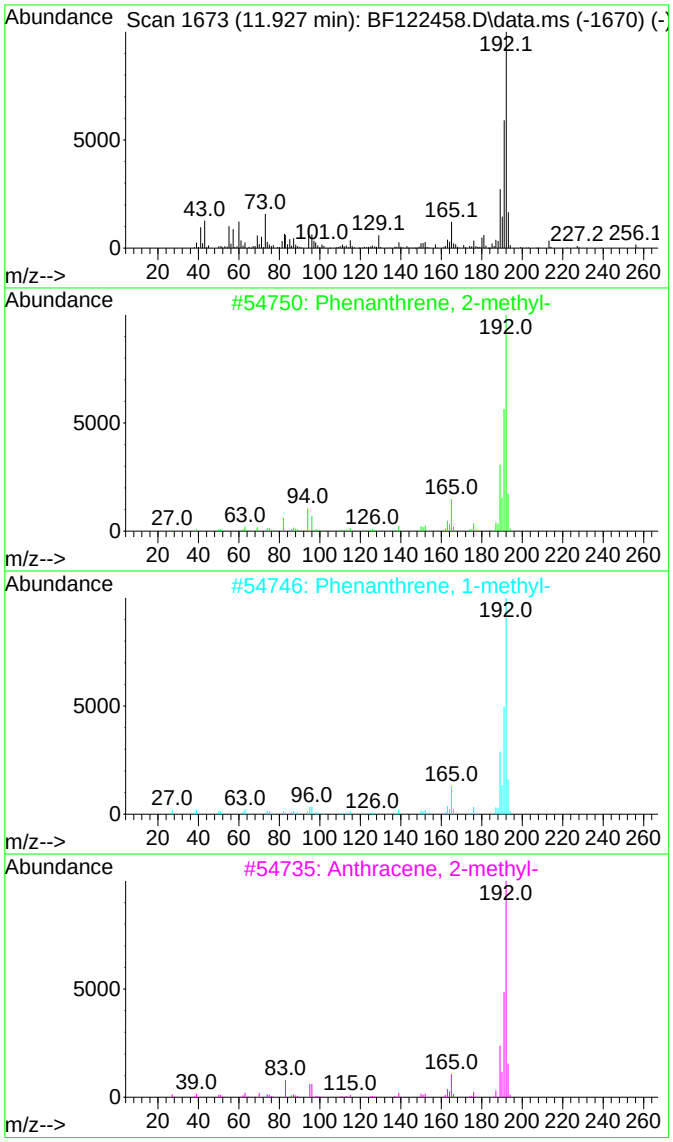
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

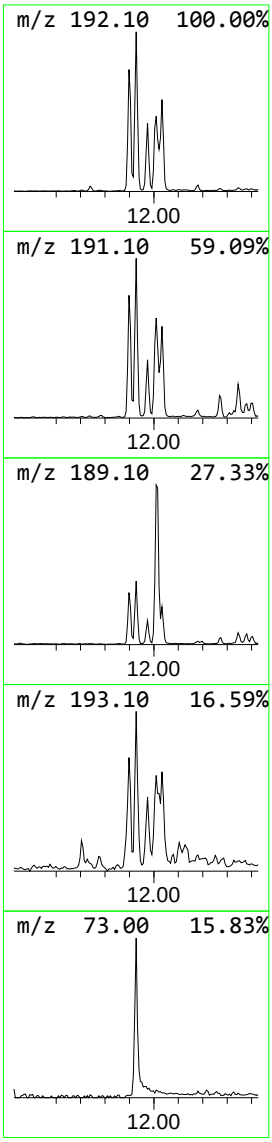
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	11.17 ng	754369	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

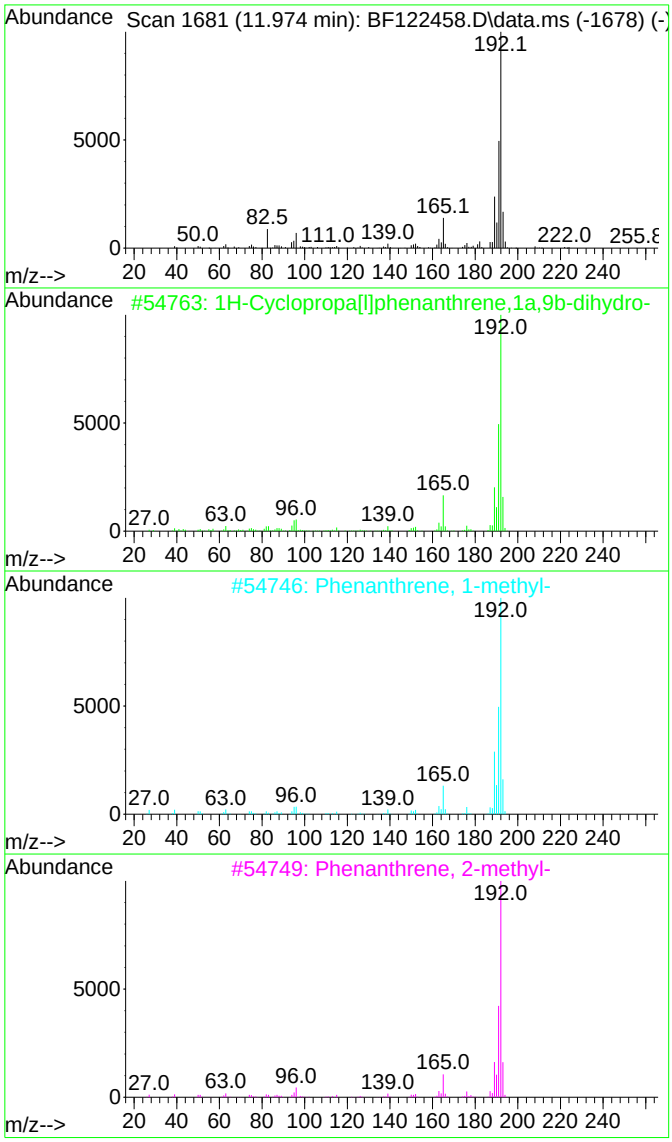
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

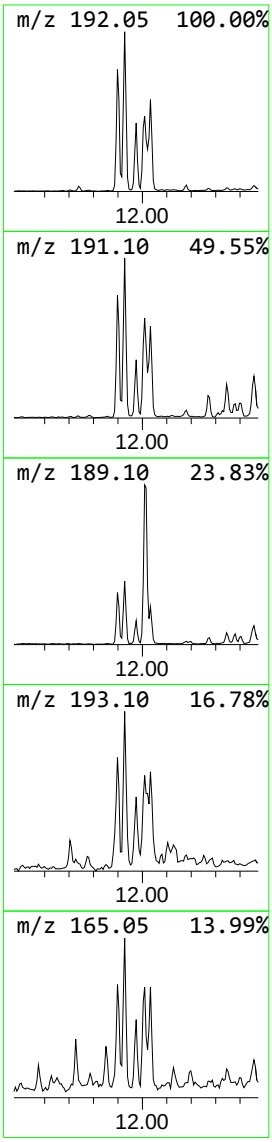
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	2.93 ng	197655	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

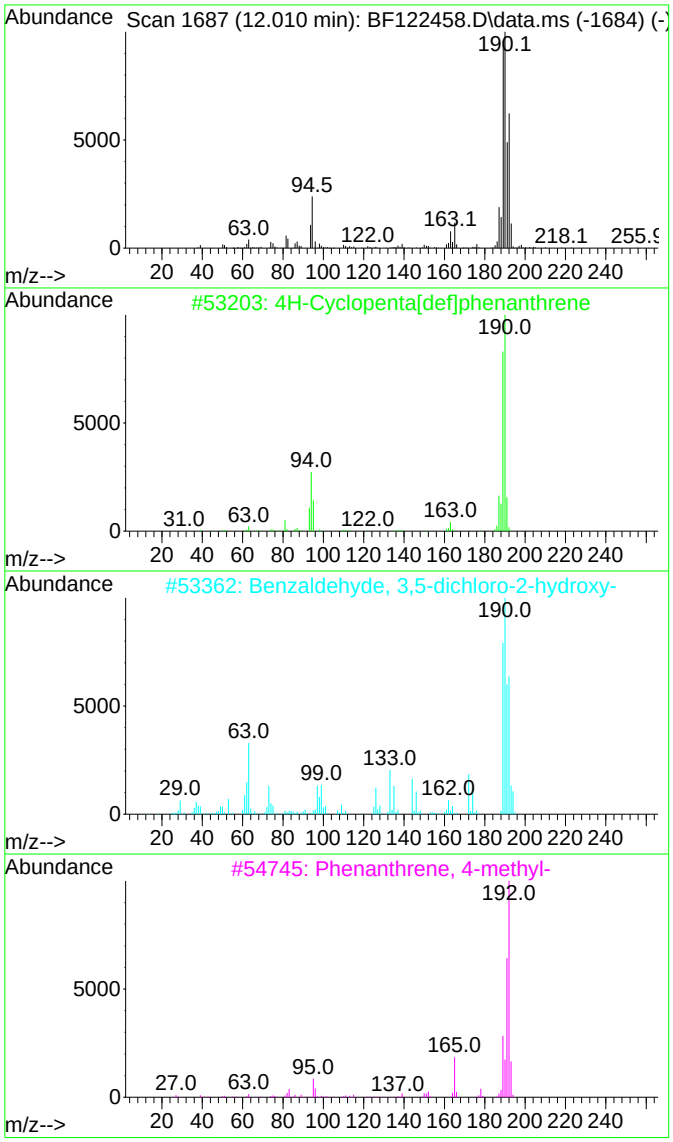
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

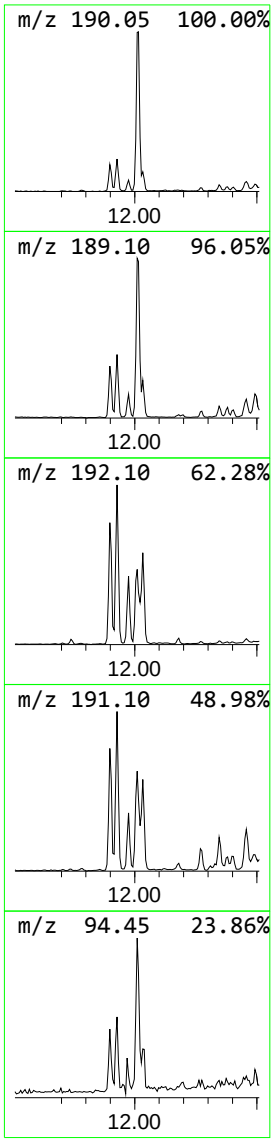
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	11.38 ng	768268	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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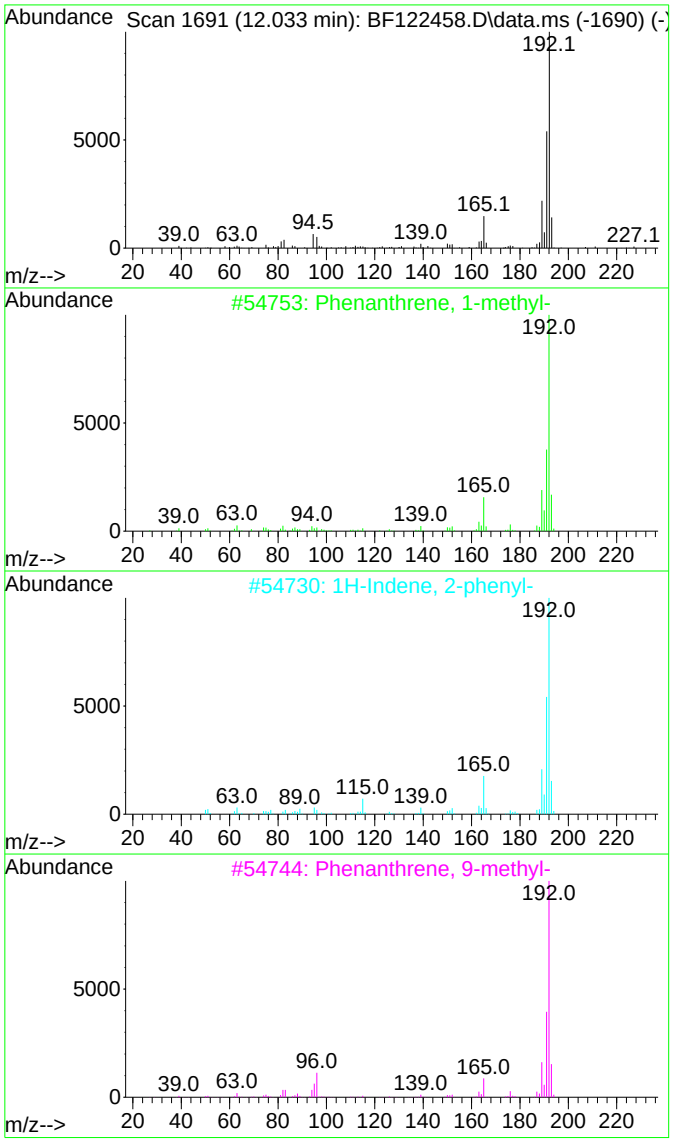
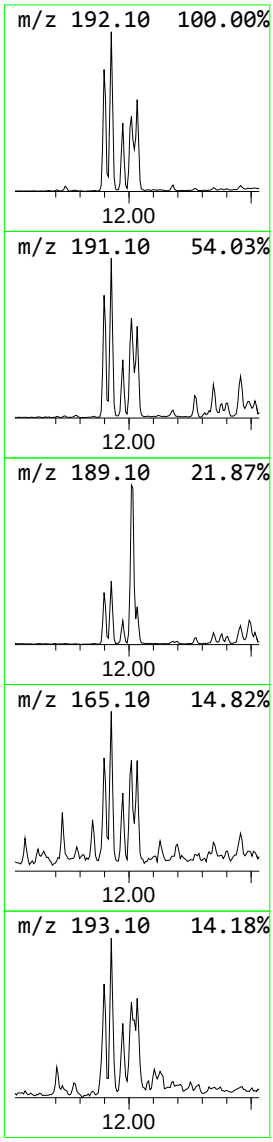
Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	3.03 ng	204306	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81





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Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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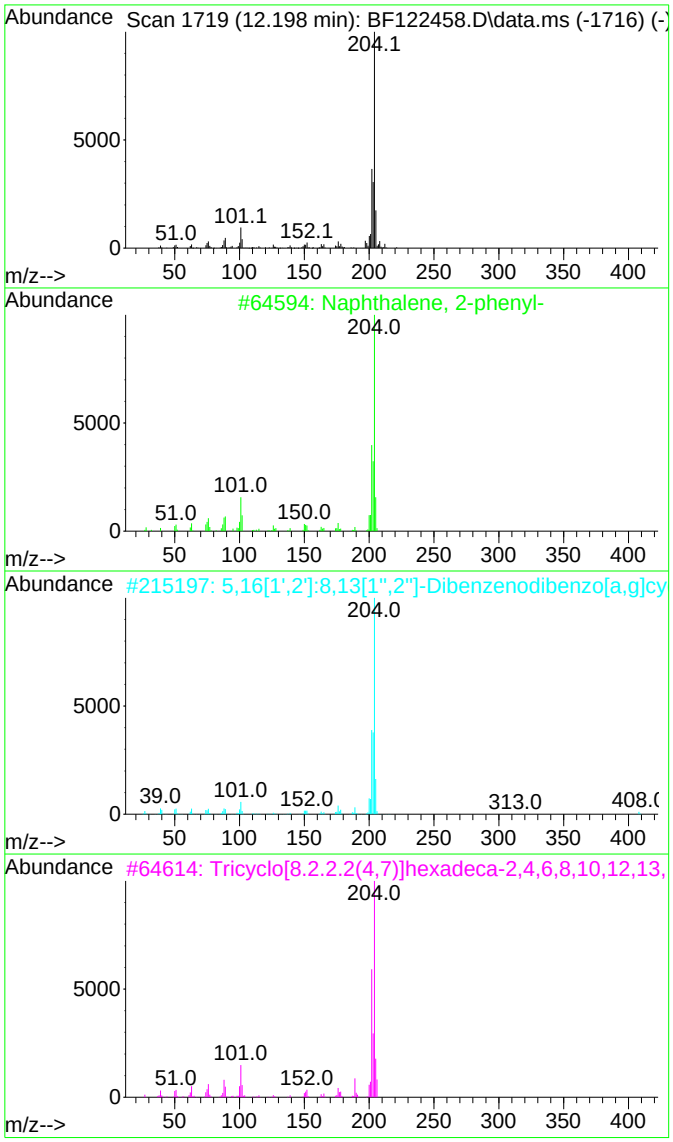
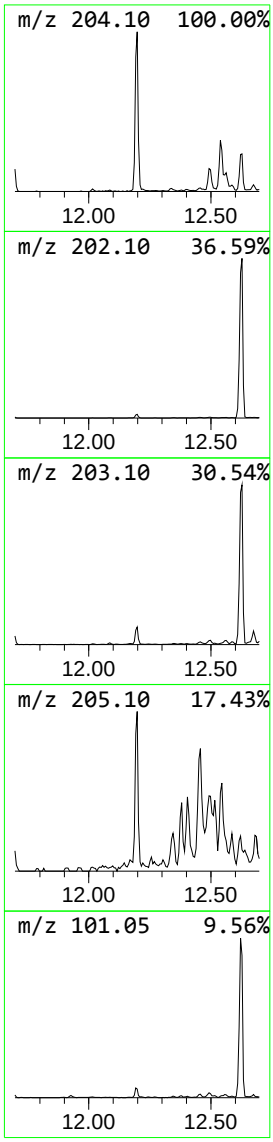
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	3.53 ng	238240	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
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	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59





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Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-2A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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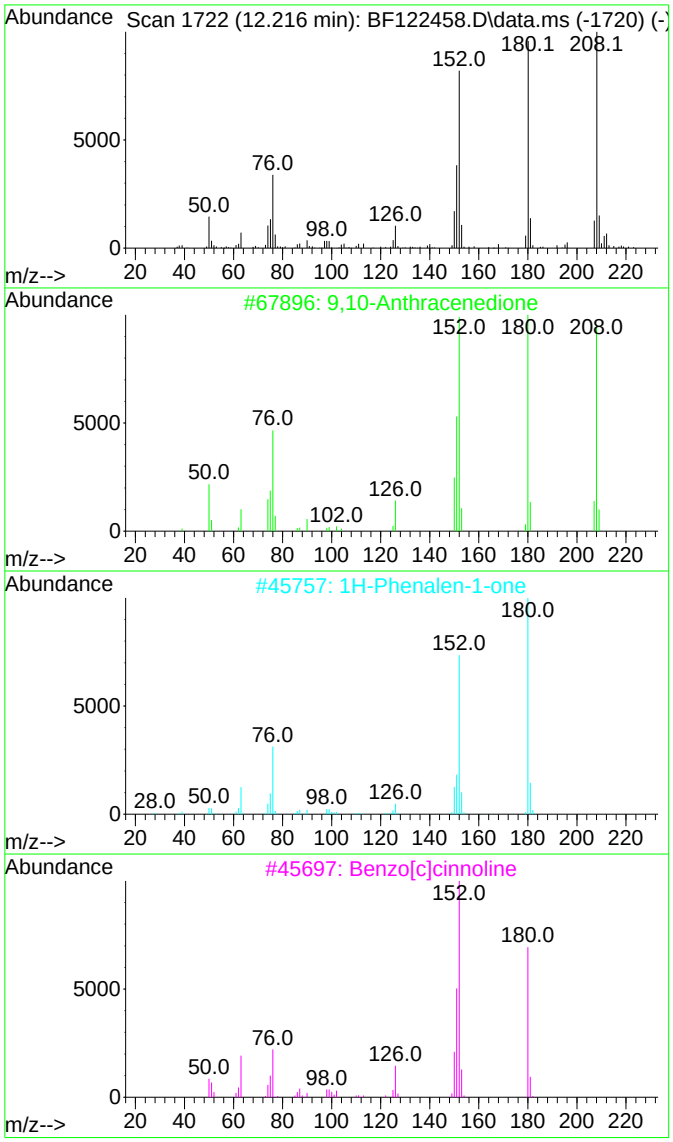
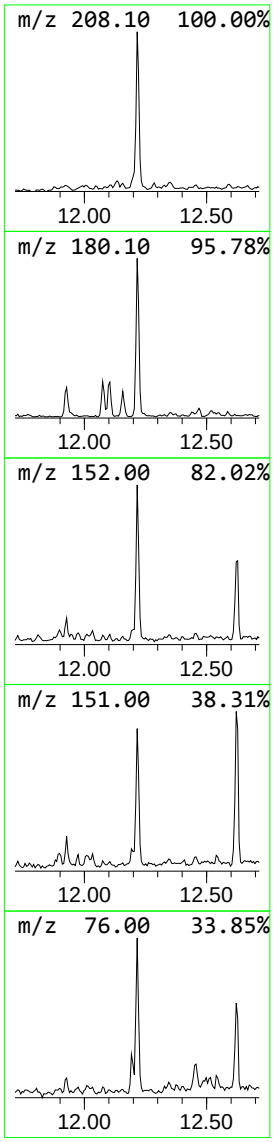
Peak Number 14 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	3.68 ng	248347	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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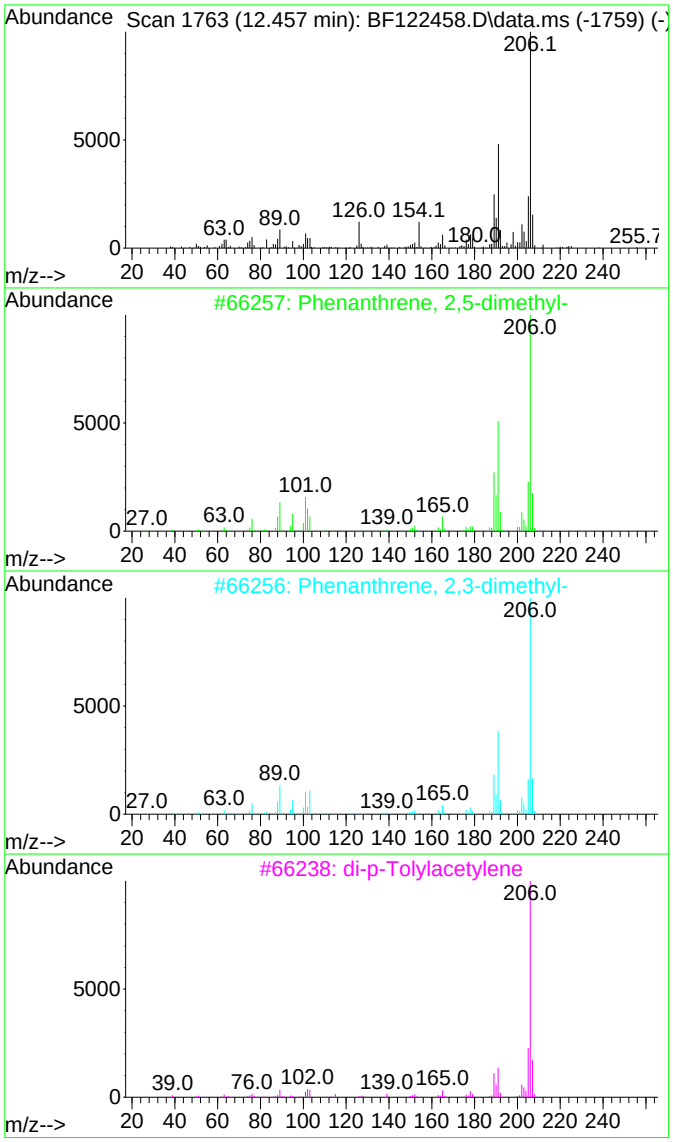
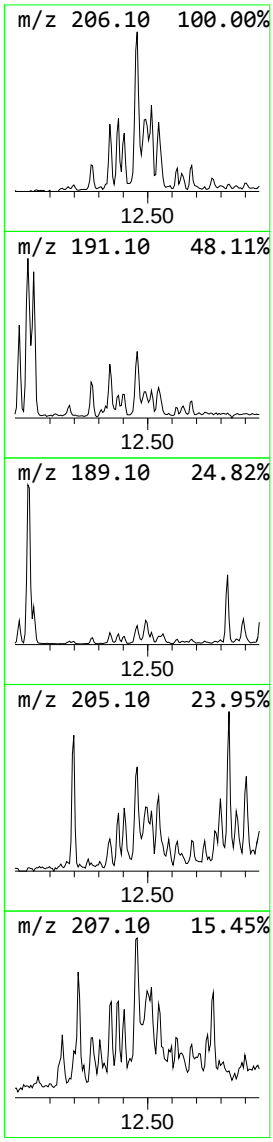
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	4.20 ng	283933	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

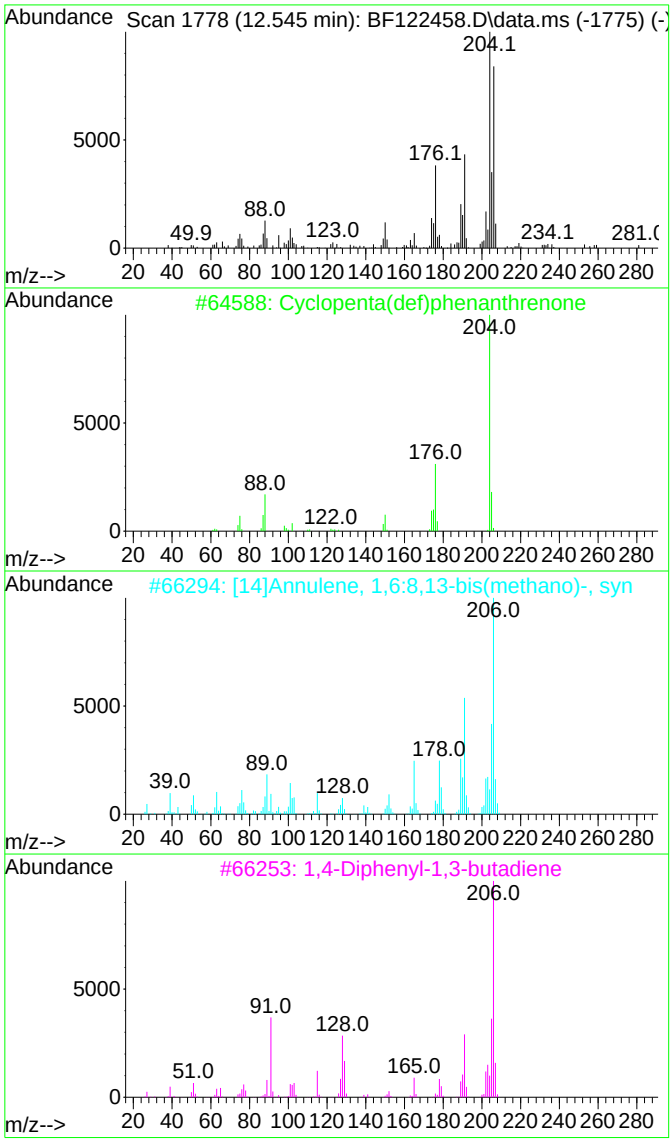
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

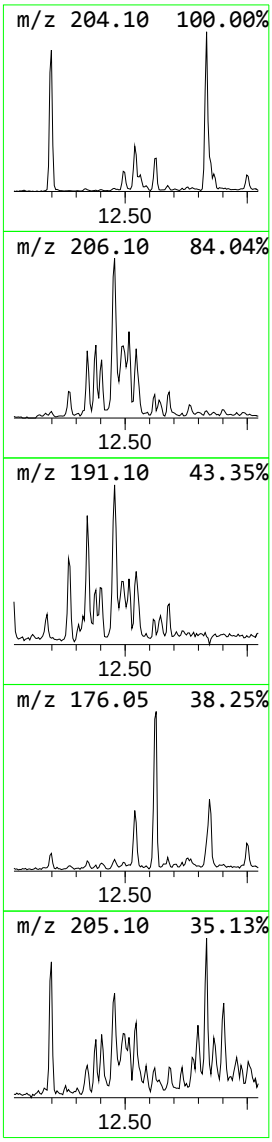
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	2.79 ng	188299	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	45
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43





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Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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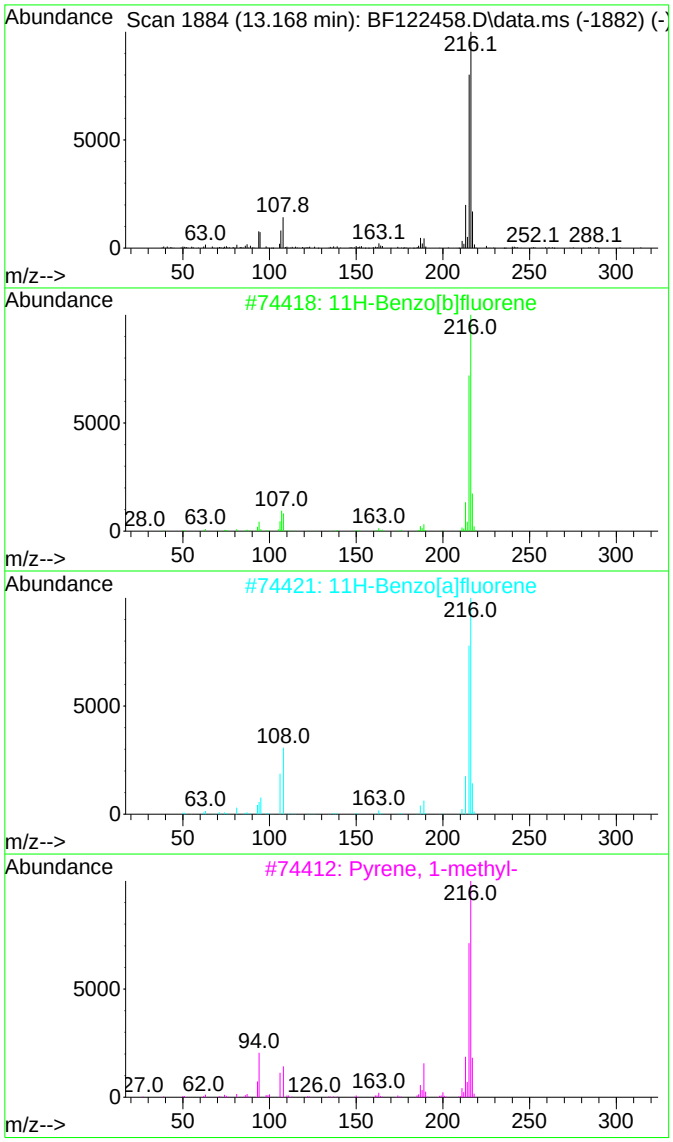
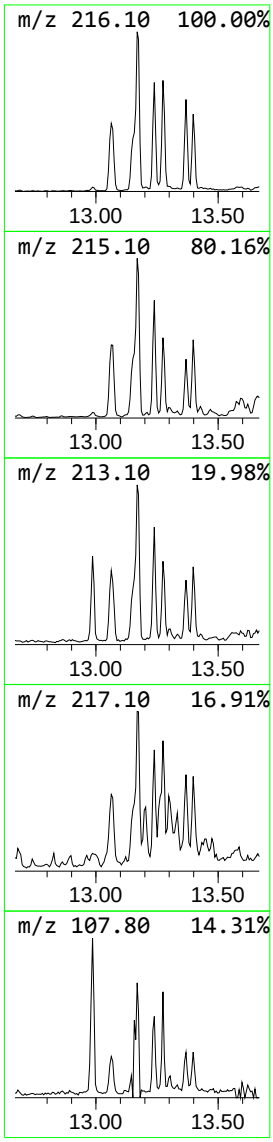
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.168	2.93 ng	483714	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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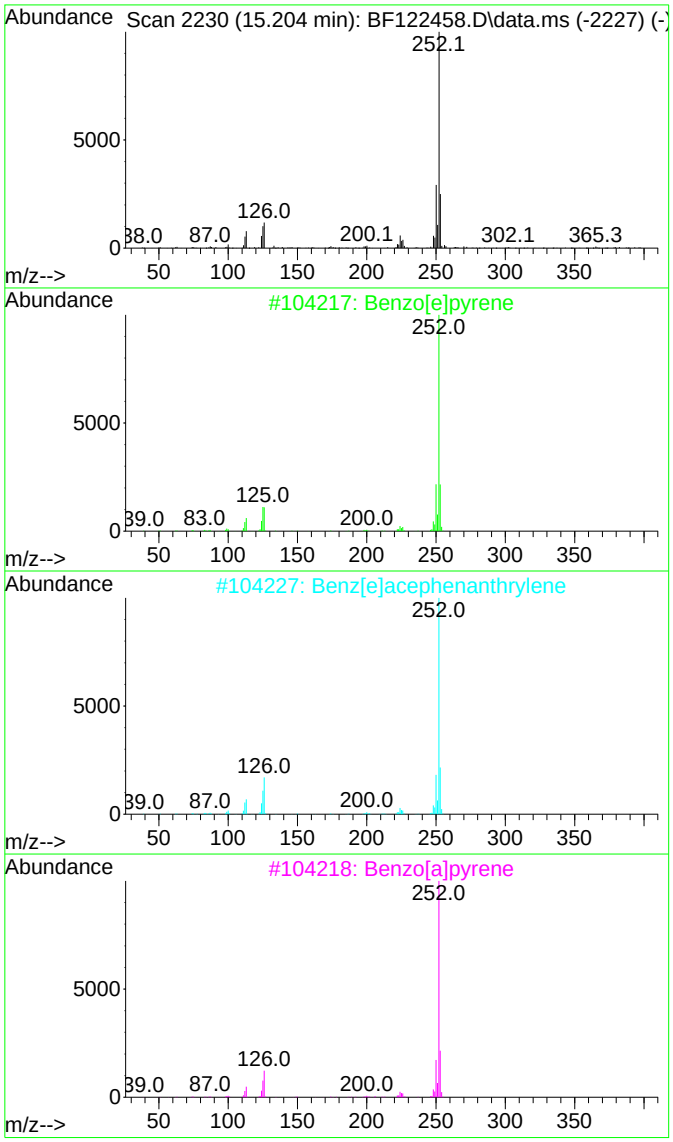
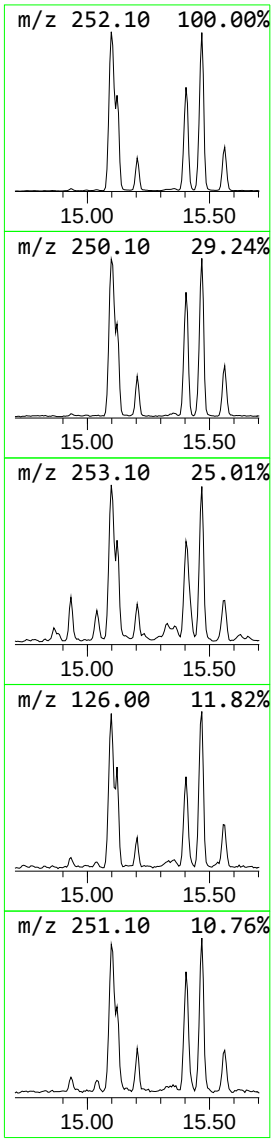
Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	3.66 ng	266114	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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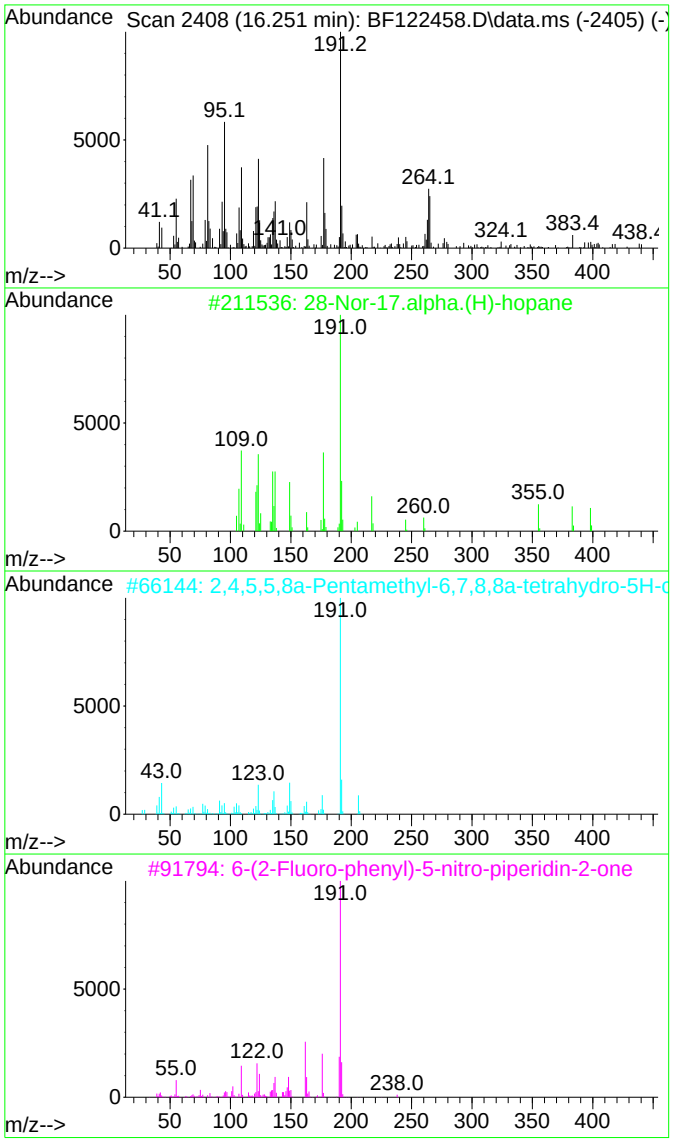
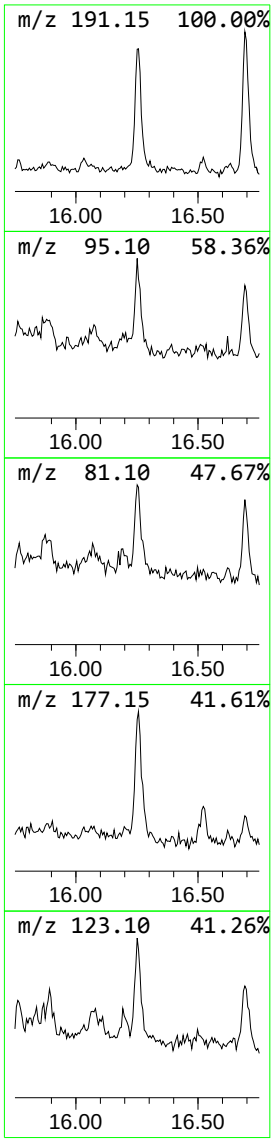
Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.251	7.00 ng	508093	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	89
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	27
3	6-(2-Fluoro-phenyl)-5-nitro-pipe...	238	C11H11FN2O3	1000275-16-4	27
4	Furan-2-carboxylic acid, 5-bromo...	393	C18H20BrNO4	1000311-01-7	25
5	Amiphenazole	191	C9H9N3S	000490-55-1	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.140	8.5	ng	406068	1	6.863	957004	20.0
3-Penten-2-one,...	4.451	3.4	ng	162458	1	6.863	957004	20.0
2-Pentanone, 4-...	5.081	55.7	ng	2666130	1	6.863	957004	20.0
2-Pentanone, 4-...	5.875	4.8	ng	230502	1	6.863	957004	20.0
9H-Fluorene, 2-...	11.004	3.0	ng	201035	4	11.398	1350740	20.0
Anthracene, 1,2...	11.257	3.2	ng	219107	4	11.398	1350740	20.0
Dibenzothiophene	11.292	3.3	ng	222176	4	11.398	1350740	20.0
Phenanthrene, 2...	11.898	6.1	ng	412034	4	11.398	1350740	20.0
Phenanthrene, 1...	11.927	11.2	ng	754369	4	11.398	1350740	20.0
1H-Cyclopropa[l...	11.974	2.9	ng	197655	4	11.398	1350740	20.0
4H-Cyclopenta[d...	12.010	11.4	ng	768268	4	11.398	1350740	20.0
1H-Indene, 2-ph...	12.033	3.0	ng	204306	4	11.398	1350740	20.0
Naphthalene, 2-...	12.198	3.5	ng	238240	4	11.398	1350740	20.0
9,10-Anthracene...	12.216	3.7	ng	248347	4	11.398	1350740	20.0
Phenanthrene, 2...	12.457	4.2	ng	283933	4	11.398	1350740	20.0
Cyclopenta(def)...	12.545	2.8	ng	188299	4	11.398	1350740	20.0
11H-Benzo[b]flu...	13.168	2.9	ng	483714	5	14.045	3296890	20.0
Benzo[e]pyrene	15.204	3.7	ng	266114	6	15.533	1452230	20.0
28-Nor-17.alpha...	16.251	7.0	ng	508093	6	15.533	1452230	20.0