LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124296.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	573	576	584	rBV	65000	66422	8.29%	0.709%
2	6.498	747	750	761	rVB2	50210	62138	7.76%	0.663%
3	6.840	805	808	816	rBB	227226	197531	24.67%	2.108%
4	7.404	901	904	913	rBB	48001	42655	5.33%	0.455%
5	8.128	1023	1027	1029	rBV	277803	256109	31.98%	2.734%
6	8.145	1029	1030	1035	rVB	228201	159497	19.92%	1.702%
7	8.839	1145	1148	1155	rBV	223440	167296	20.89%	1.786%
8	8.939	1161	1165	1169	rVB	166848	135457	16.91%	1.446%
9	9.198	1206	1209	1213	rVB	114518	80018	9.99%	0.854%
10	9.304	1224	1227	1232	rVB	31085	27708	3.46%	0.296%
11	9.398	1241	1243	1250	rVB3	20440	24580	3.07%	0.262%
12	9.469	1250	1255	1258	rBV2	61060	80925	10.11%	0.864%
13	9.539	1264	1267	1270	rBV	111153	111356	13.91%	1.189%
14	9.569	1270	1272	1275	rVV	64150	55996	6.99%	0.598%
15	9.657	1284	1287	1292	rBV	57523	58921	7.36%	0.629%
16	9.739	1298	1301	1305	rBV2	55044	48248	6.02%	0.515%
17	9.863	1318	1322	1323	rBV	31544	29866	3.73%	0.319%
18	9.881	1323	1325	1328	rVV	292030	229065	28.60%	2.445%
19	9.916	1328	1331	1334	rVB	159160	132402	16.53%	1.413%
20	9.986	1339	1343	1348	rVB3	19380	23731	2.96%	0.253%
21	10.039	1348	1352	1353	rBV4	10795	14656	1.83%	0.156%
22	10.086	1356	1360	1363	rVV2	136593	119067	14.87%	1.271%
23	10.122	1363	1366	1370	rVB	33560	31905	3.98%	0.341%
24	10.198	1375	1379	1382	rBV2	31973	34144	4.26%	0.364%
25	10.228	1382	1384	1387	rVV	27416	21423	2.68%	0.229%
26	10.286	1390	1394	1396	rVV3	20873	32458	4.05%	0.346%
27	10.304	1396	1397	1400	rVB	32908	23453	2.93%	0.250%
28	10.381	1405	1410	1412	rVV3	15531	17993	2.25%	0.192%
29	10.428	1415	1418	1424	rVV	215508	213741	26.69%	2.281%
30	10.498	1424	1430	1431	rVV3	23675	35100	4.38%	0.375%
31	10.516	1431	1433	1436	rVV4	35627	38167	4.77%	0.407%
32	10.586	1439	1445	1450	rVV4	46853	57080	7.13%	0.609%
33	10.675	1453	1460	1464	rVV3	86032	107397	13.41%	1.146%
34	10.792	1476	1480	1484	rVV5	24289	36490	4.56%	0.389%
35	10.975	1506	1511	1514	rBV4	53451	71189	8.89%	0.760%
36	11.004	1514	1516	1519	rVB2	32292	31530	3.94%	0.337%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.063	1524	1526	1529	rVV3	31772	28350	3.54%	0.303%
38	11.104	1529	1533	1536	rVV5	16864	31733	3.96%	0.339%
39	11.128	1536	1537	1543	rVV4	27328	28165	3.52%	0.301%
40	11.175	1543	1545	1548	rVV2	18381	18549	2.32%	0.198%
41	11.228	1548	1554	1557	rVV4	30201	44882	5.60%	0.479%
42	11.269	1557	1561	1567	rVB	94481	95871	11.97%	1.023%
43	11.375	1575	1579	1580	rBV	219805	209249	26.13%	2.233%
44	11.398	1580	1583	1586	rVV	1001585	800824	100.00%	8.548%
45	11.445	1586	1591	1594	rVV	233647	222629	27.80%	2.376%
46	11.486	1594	1598	1599	rVV3	21511	27864	3.48%	0.297%
47	11.528	1603	1605	1611	rVV5	15574	22458	2.80%	0.240%
48	11.610	1614	1619	1624	rBV	59799	83451	10.42%	0.891%
49	11.663	1624	1628	1630	rVV4	24637	32326	4.04%	0.345%
50	11.704	1630	1635	1639	rVB2	43770	56366	7.04%	0.602%
51	11.786	1646	1649	1654	rVB2	36111	44372	5.54%	0.474%
52	11.875	1660	1664	1666	rVV	153763	148098	18.49%	1.581%
53	11.904	1666	1669	1672	rVV	192154	162849	20.34%	1.738%
54	11.951	1674	1677	1679	rBV	69412	66334	8.28%	0.708%
55	11.986	1679	1683	1685	rVV2	206515	220821	27.57%	2.357%
56	12.010	1685	1687	1693	rVB	103100	90753	11.33%	0.969%
57	12.063	1693	1696	1698	rBV3	16553	20201	2.52%	0.216%
58	12.110	1701	1704	1706	rBV3	16801	17966	2.24%	0.192%
59	12.169	1711	1714	1717	rVV	79212	67208	8.39%	0.717%
60	12.198	1717	1719	1724	rVB5	31908	29966	3.74%	0.320%
61	12.316	1737	1739	1742	rVV3	28324	26105	3.26%	0.279%
62	12.351	1742	1745	1747	rVV2	46205	41659	5.20%	0.445%
63	12.375	1747	1749	1751	rVB2	35509	30508	3.81%	0.326%
64	12.422	1754	1757	1760	rBV	96369	104594	13.06%	1.116%
65	12.463	1760	1764	1766	rVV4	60073	81593	10.19%	0.871%
66	12.510	1769	1772	1777	rBV6	34813	60229	7.52%	0.643%
67	12.592	1782	1786	1789	rBV	738942	625794	78.14%	6.680%
68	12.627	1789	1792	1794	rBV3	19090	17110	2.14%	0.183%
69	12.651	1794	1796	1798	rVB3	33688	25155	3.14%	0.268%
70	12.686	1798	1802	1803	rBV3	20828	17914	2.24%	0.191%
71	12.739	1808	1811	1813	rBV	47871	49317	6.16%	0.526%
72	12.763	1813	1815	1818	rVB4	26343	26183	3.27%	0.279%
73	12.822	1818	1825	1830	rBV	656652	741744	92.62%	7.917%
74	12.869	1830	1833	1837	rVB3	40366	49158	6.14%	0.525%
75	12.933	1841	1844	1845	rBV2	43692	39292	4.91%	0.419%
76	12.951	1845	1847	1850	rVB	101462	82623	10.32%	0.882%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.039	1858	1862	1865	rBV5	45843	75529	9.43%	0.806%
78	13.092	1868	1871	1873	rBV4	16156	15578	1.95%	0.166%
79	13.122	1873	1876	1877	rBV3	47738	49763	6.21%	0.531%
80	13.145	1877	1880	1884	rVB	144067	137706	17.20%	1.470%
81	13.186	1884	1887	1888	rBV3	23701	27085	3.38%	0.289%
82	13.210	1888	1891	1894	rBV	115768	99231	12.39%	1.059%
83	13.251	1894	1898	1900	rBV3	77562	79874	9.97%	0.853%
84	13.304	1905	1907	1910	rBV4	16073	15485	1.93%	0.165%
85	13.339	1911	1913	1916	rVB	49679	45459	5.68%	0.485%
86	13.374	1916	1919	1922	rBV	68280	64575	8.06%	0.689%
87	13.492	1937	1939	1941	rBV3	24937	20017	2.50%	0.214%
88	13.551	1946	1949	1950	rBV3	20628	19763	2.47%	0.211%
89	13.633	1959	1963	1964	rBV4	32338	36963	4.62%	0.395%
90	13.769	1984	1986	1988	rVB	46795	32208	4.02%	0.344%
91	13.792	1988	1990	1992	rVB2	38895	30911	3.86%	0.330%
92	13.816	1992	1994	1996	rBV	31007	32600	4.07%	0.348%
93	14.016	2023	2028	2031	rBV2	299924	445649	55.65%	4.757%
94	14.045	2031	2033	2036	rVB	198962	157146	19.62%	1.677%
95	14.121	2045	2046	2048	rBV2	30242	21046	2.63%	0.225%
96	14.474	2104	2106	2109	rBV4	44865	35802	4.47%	0.382%
97	15.068	2204	2207	2210	rBV2	80083	107609	13.44%	1.149%
98	15.374	2256	2259	2264	rVB2	60963	102176	12.76%	1.091%
99	15.439	2267	2270	2276	rVB	94475	110170	13.76%	1.176%
100	15.504	2277	2281	2285	rVV	119790	140526	17.55%	1.500%

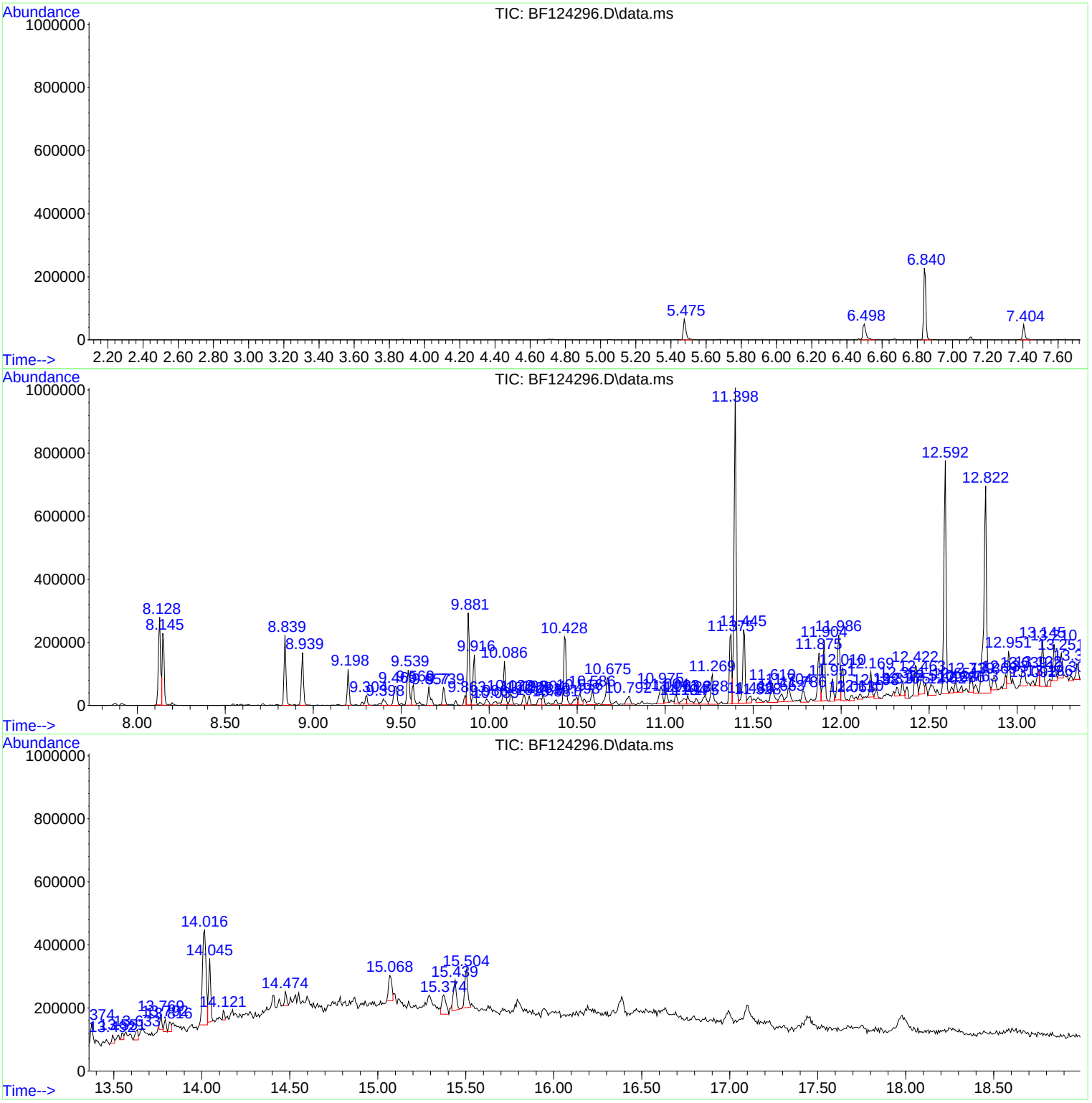
Sum of corrected areas: 9368848

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

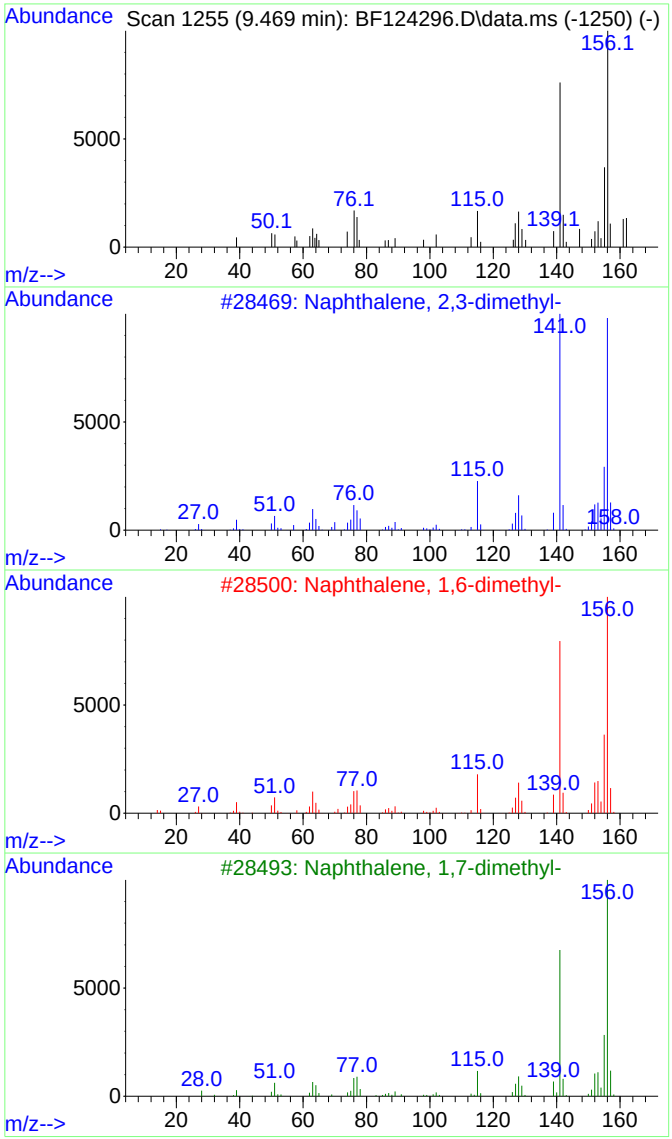
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

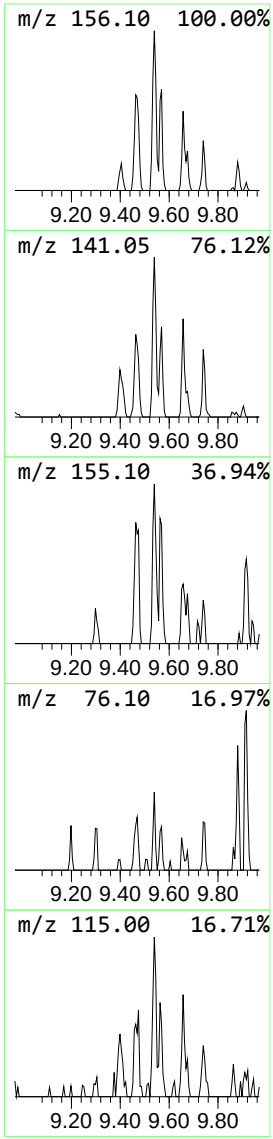
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.469	7.07 ng	80925	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

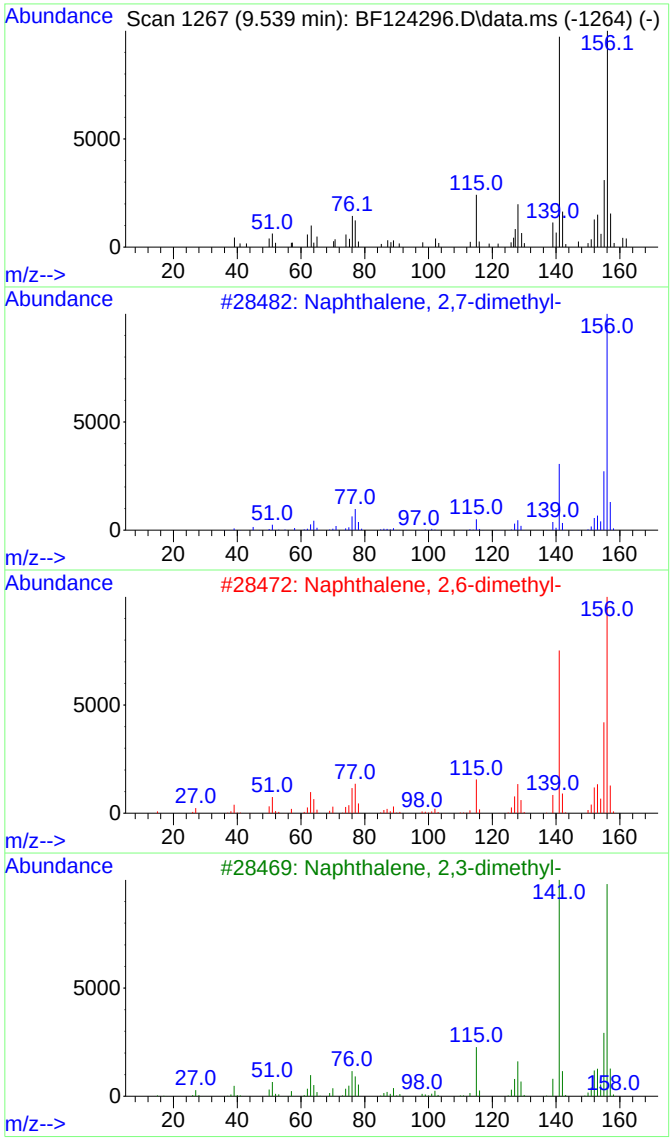
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

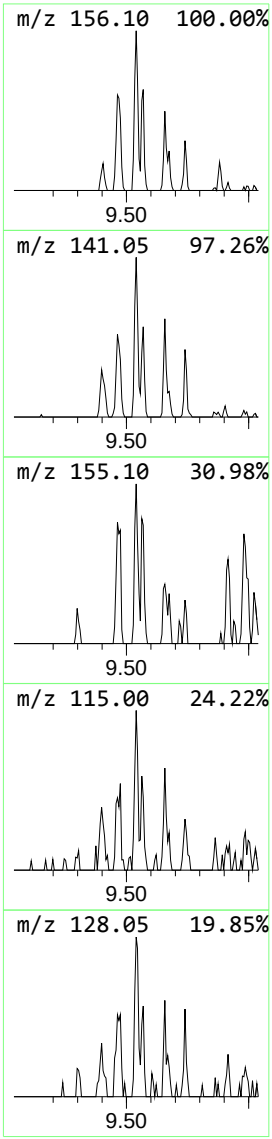
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.539	9.72 ng	111356	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

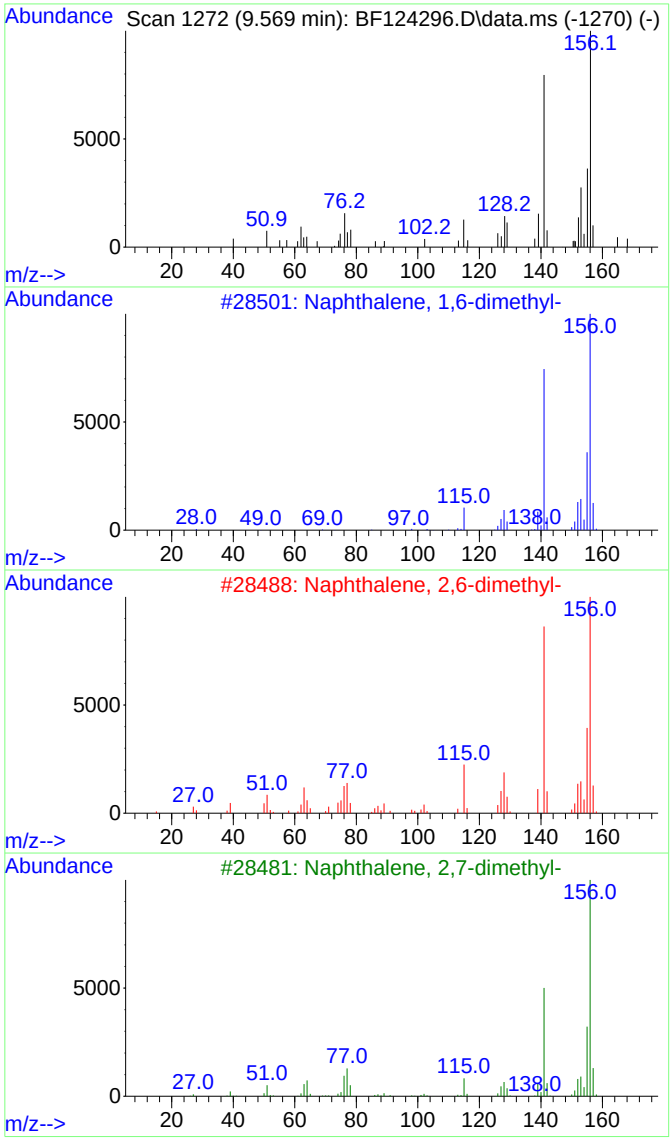
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

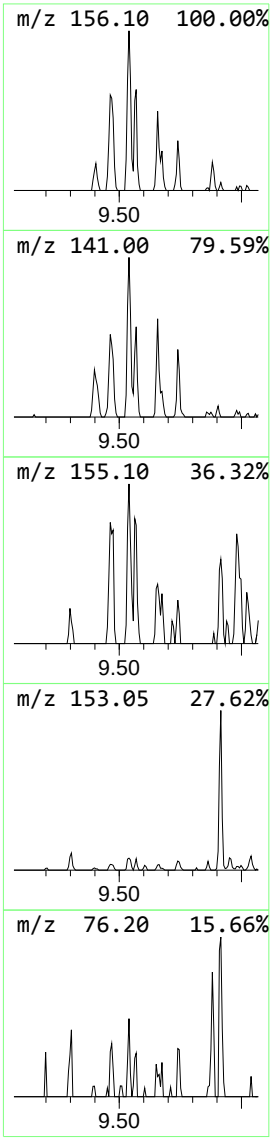
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.569	4.89 ng	55996	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	89
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	89
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	76
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

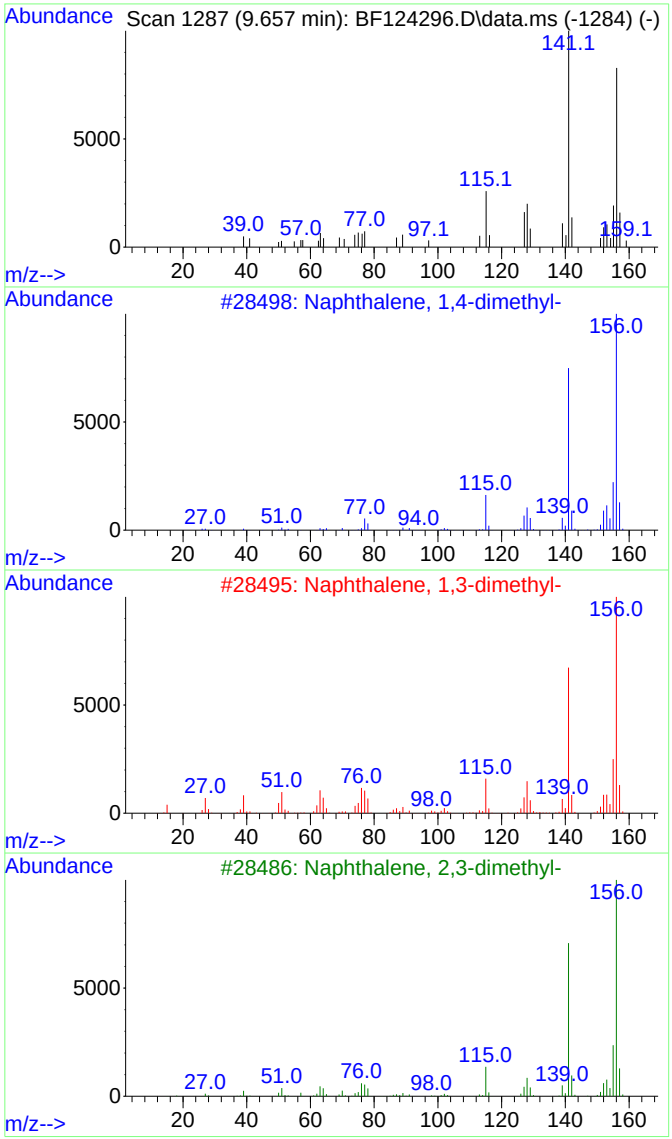
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

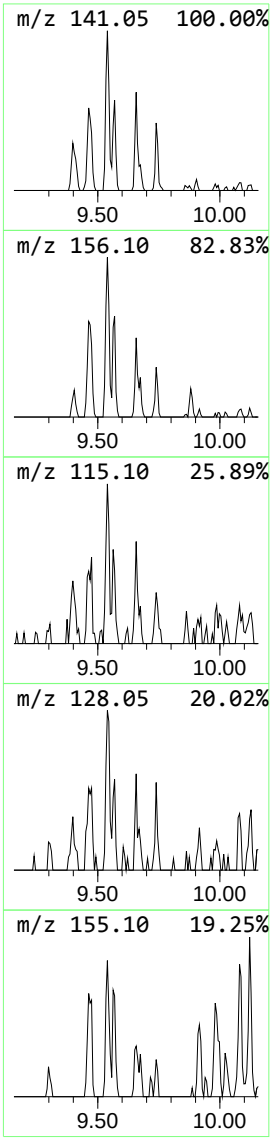
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.657	5.14 ng	58921	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

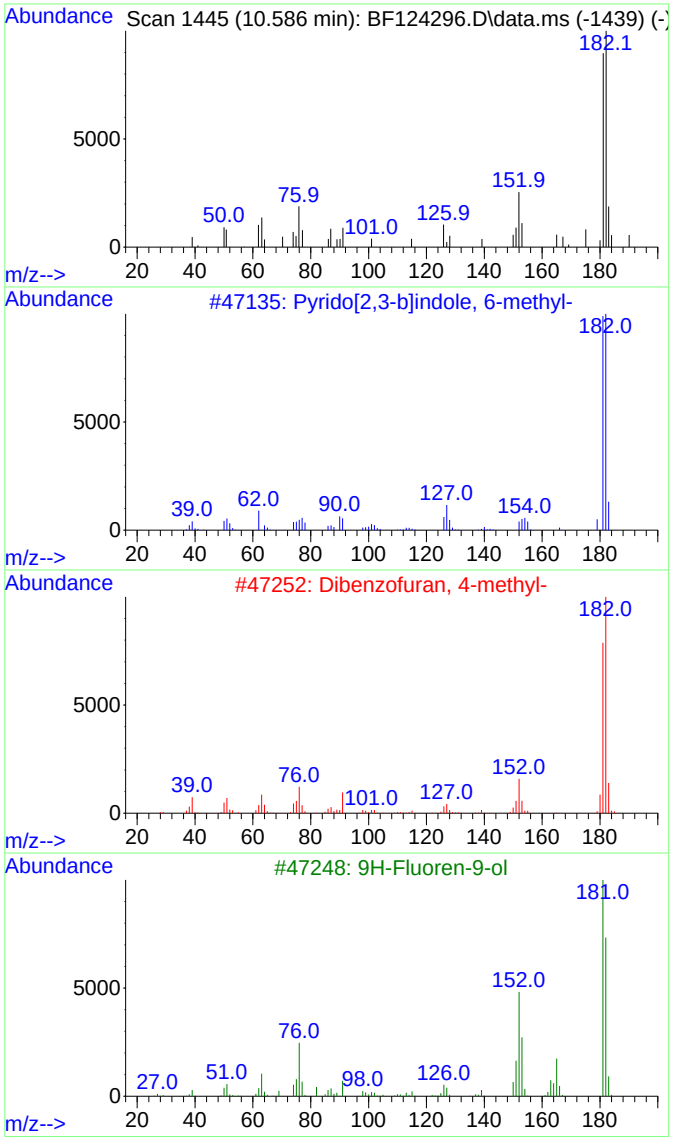
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

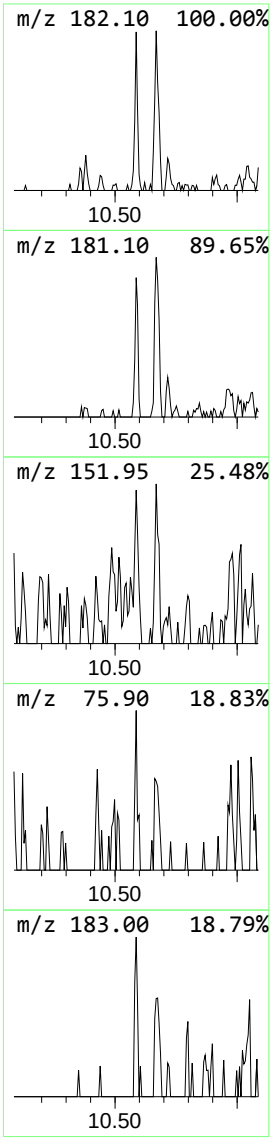
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pyrido[2,3-b]indole, 6-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.586	4.98 ng	57080	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	52





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Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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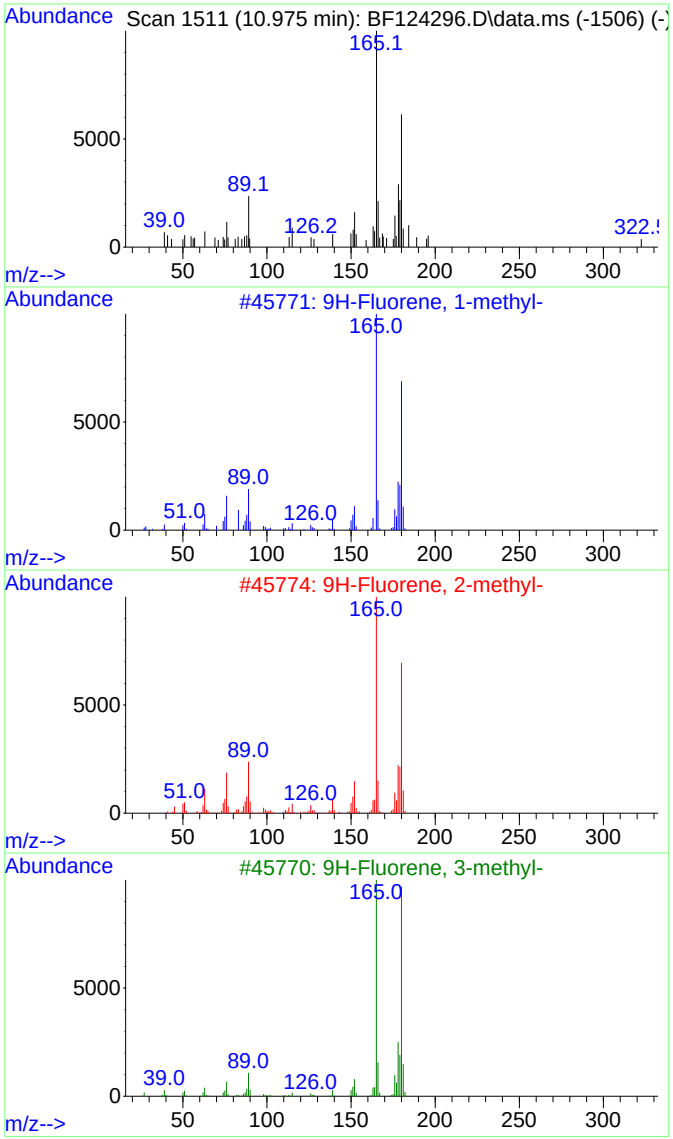
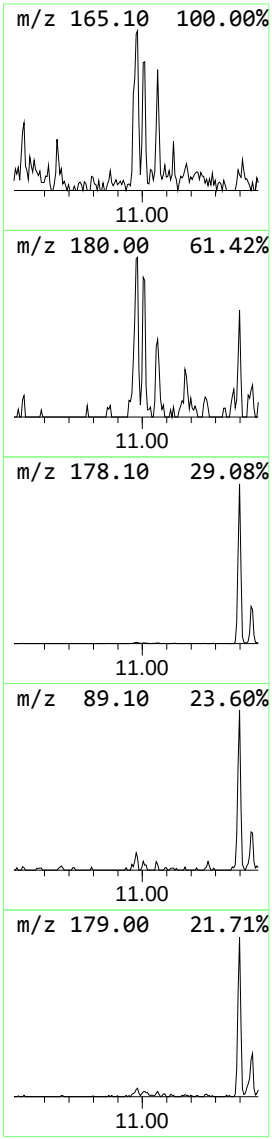
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.975	6.80 ng	71189	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70





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Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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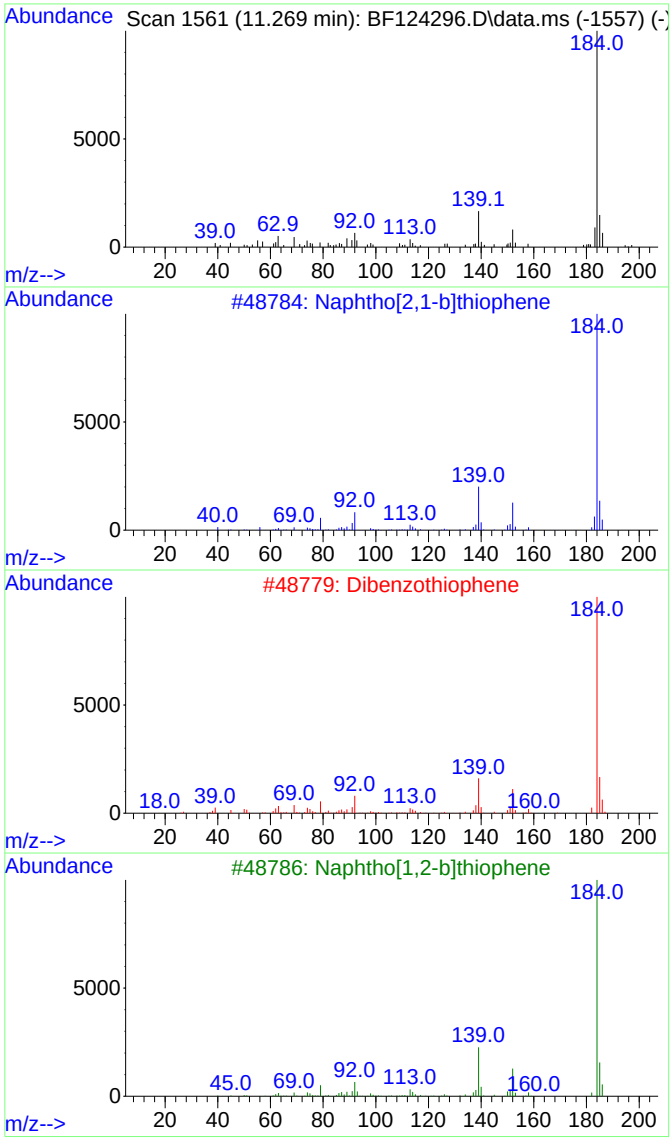
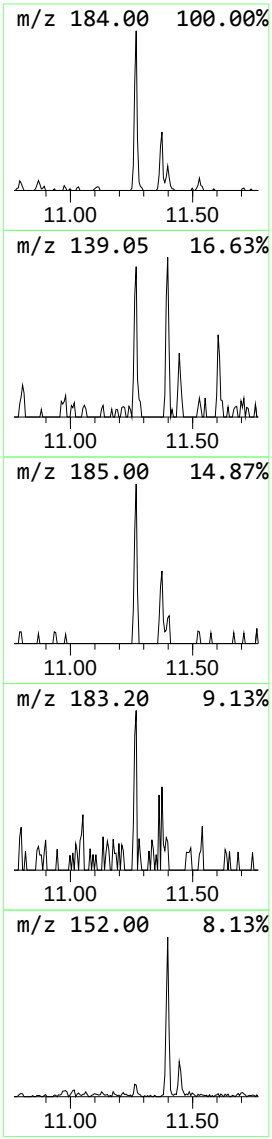
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.269	9.16 ng	95871	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78





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Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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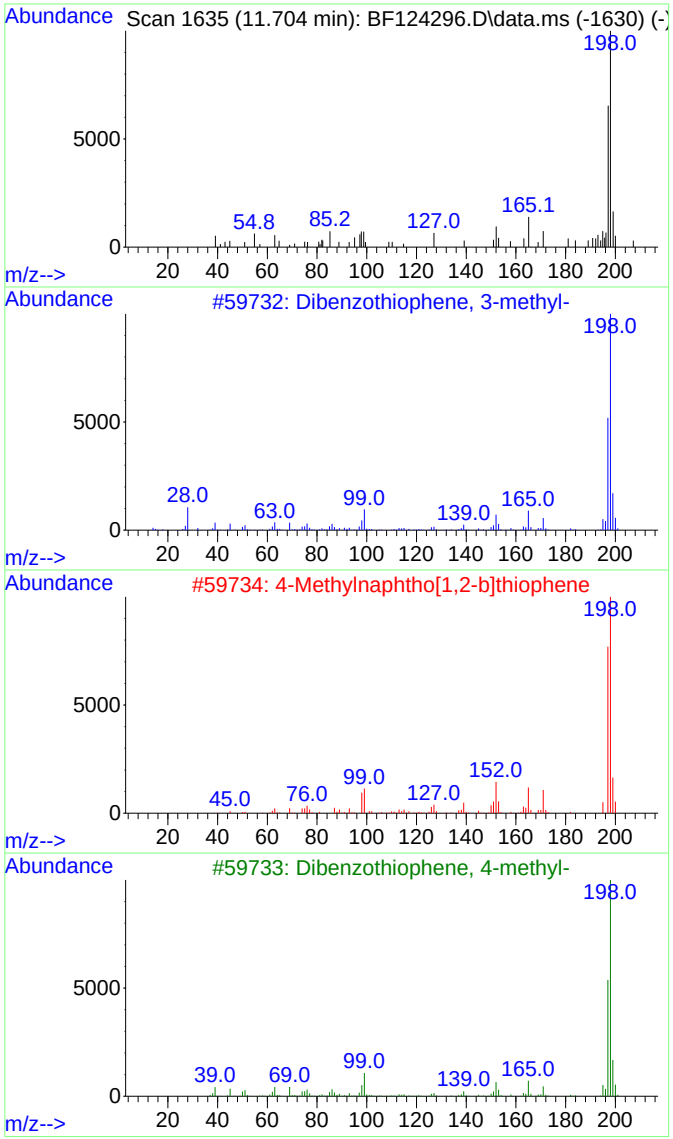
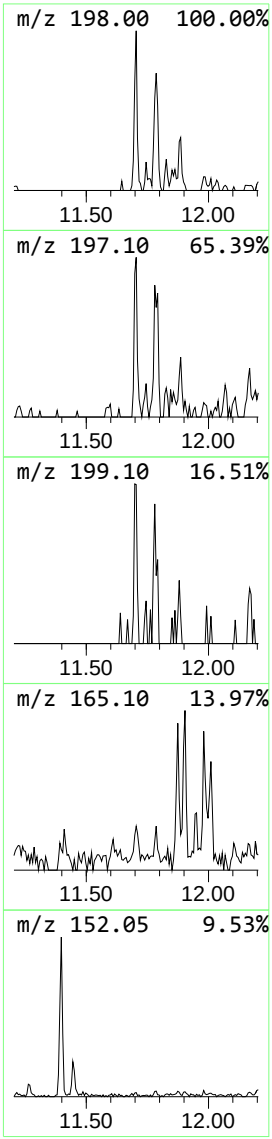
Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.704	5.39 ng	56366	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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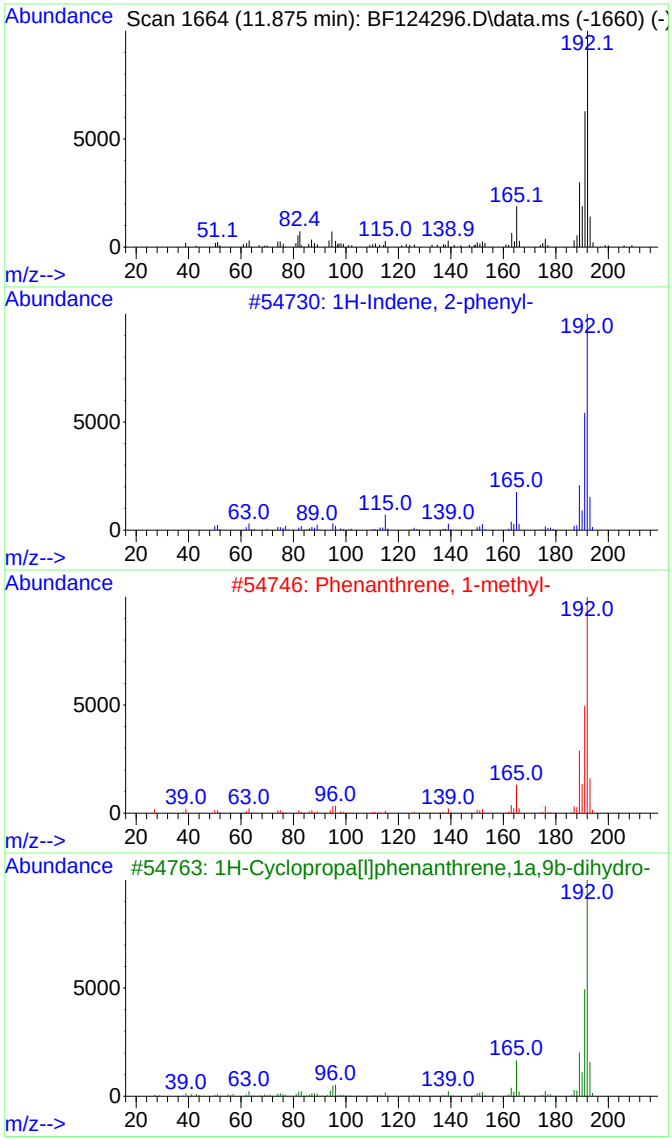
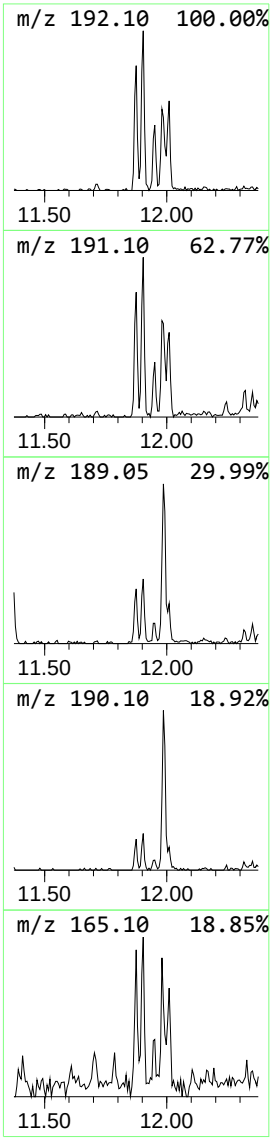
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	14.16 ng	148098	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

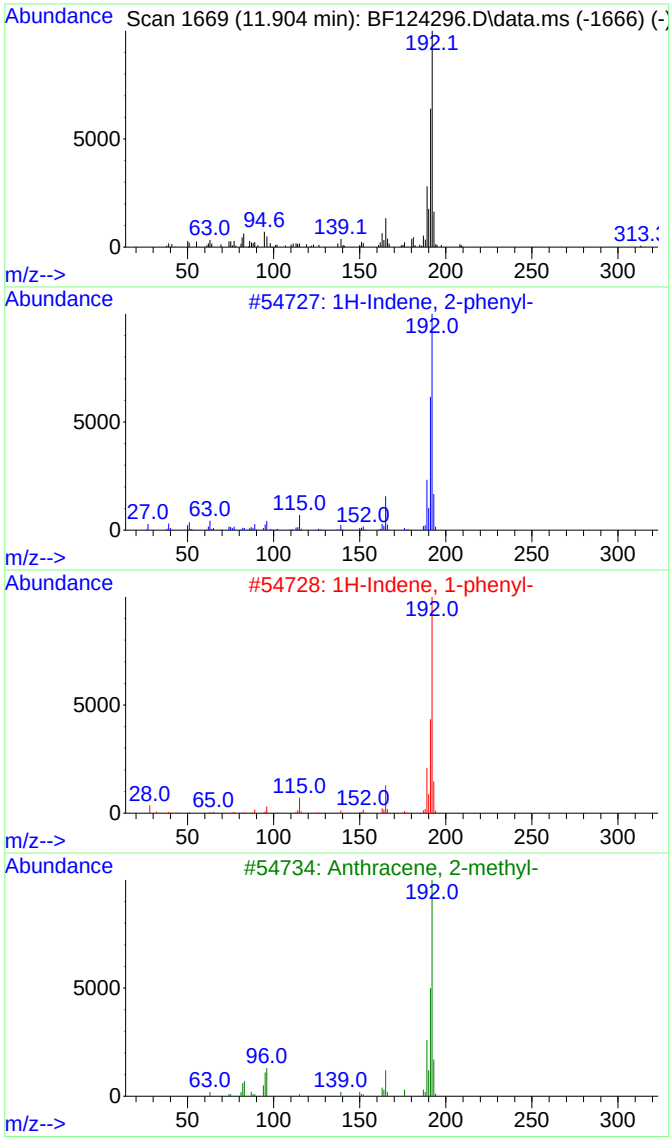
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

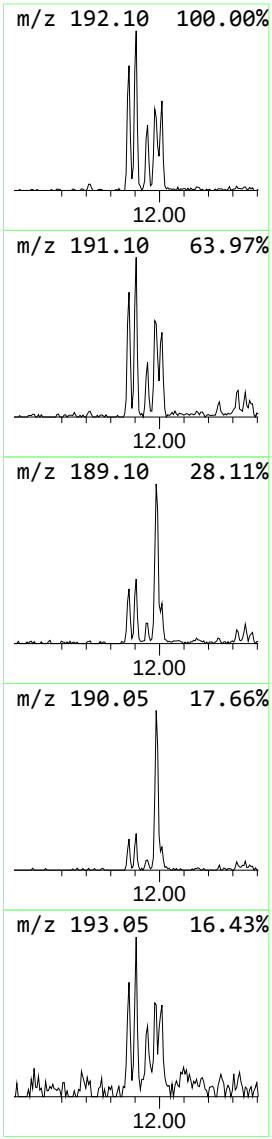
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 1-phenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	15.57 ng	162849	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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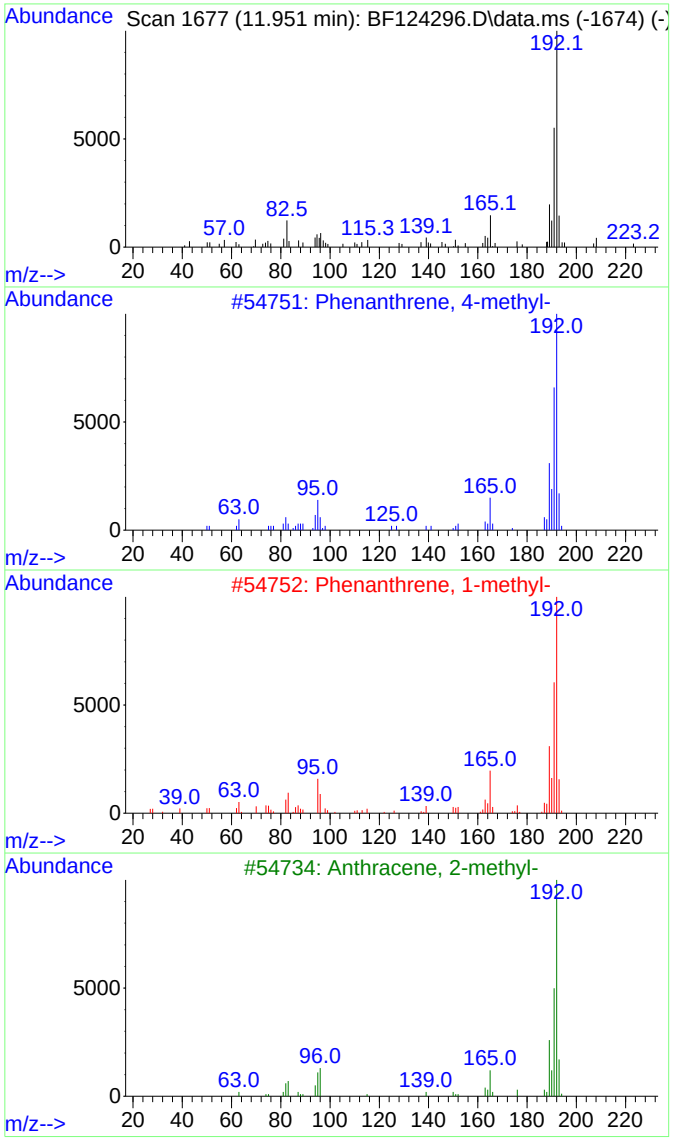
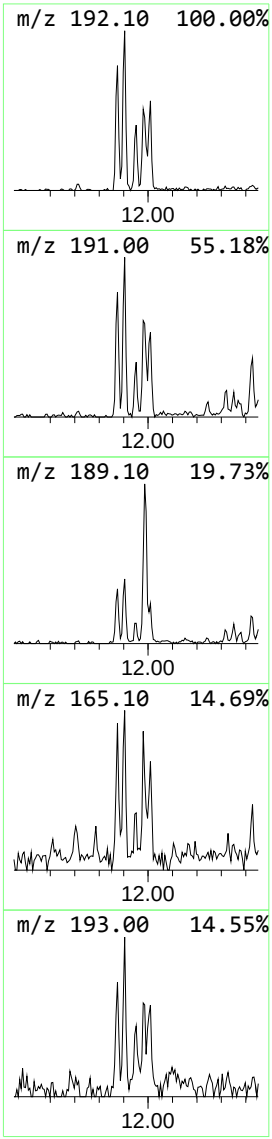
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	6.34 ng	66334	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

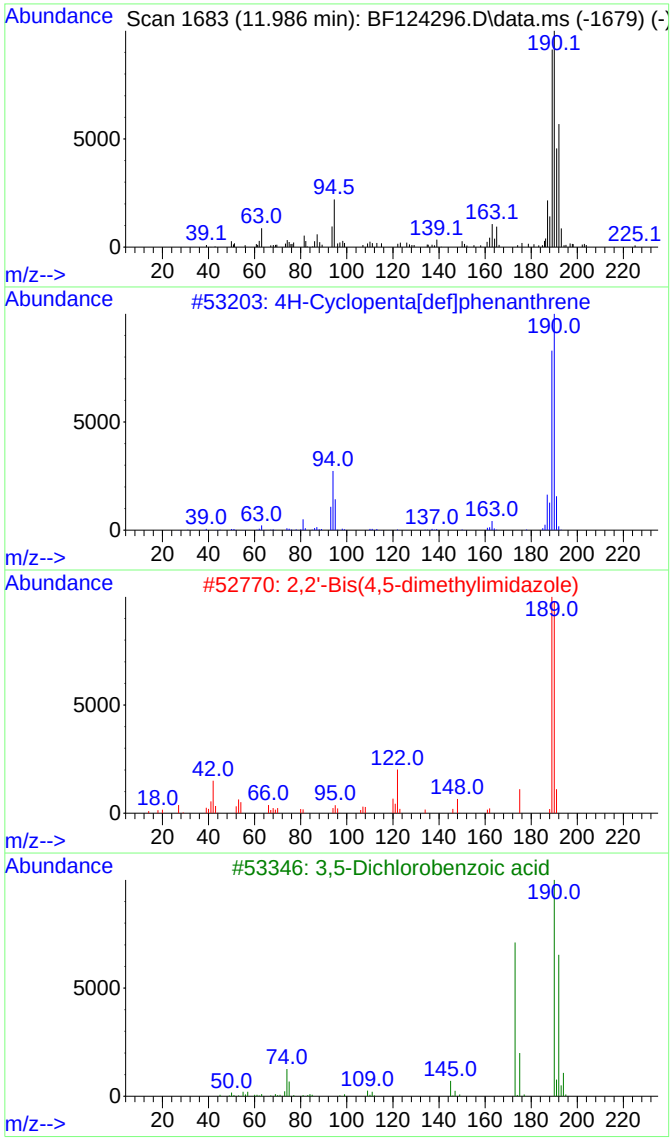
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

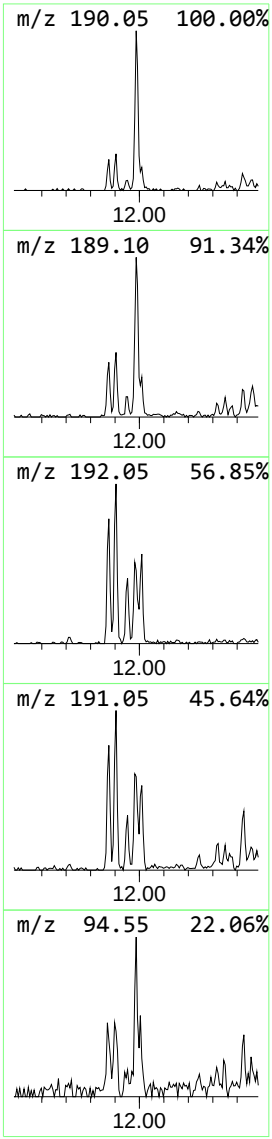
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	21.11 ng	220821	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





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Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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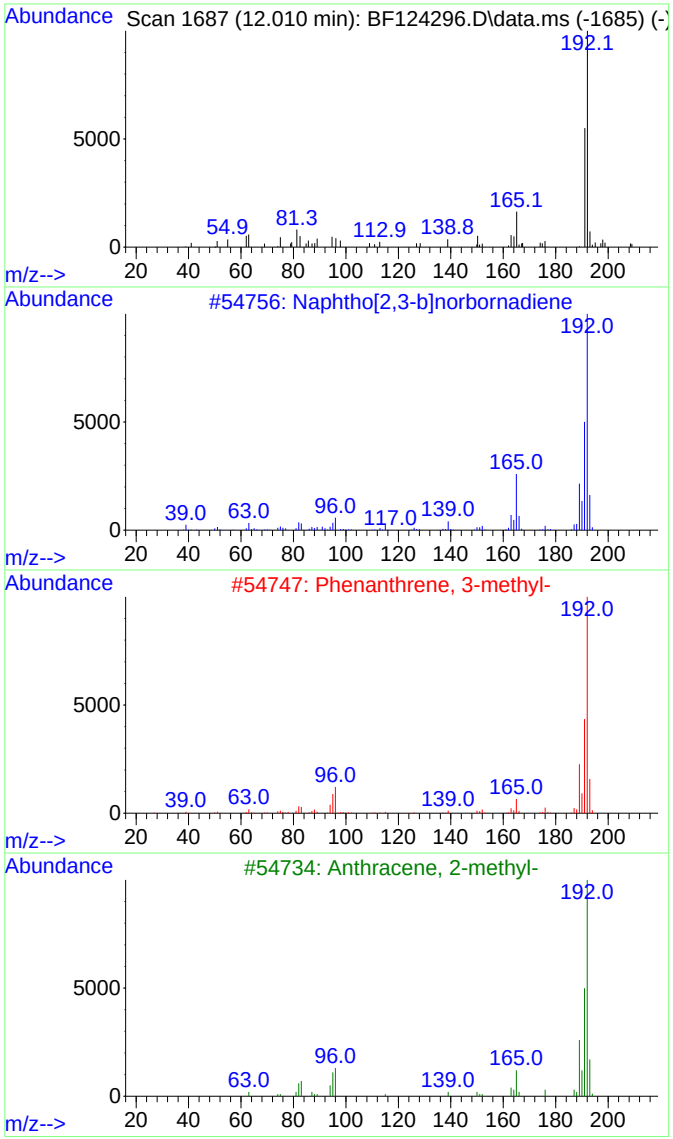
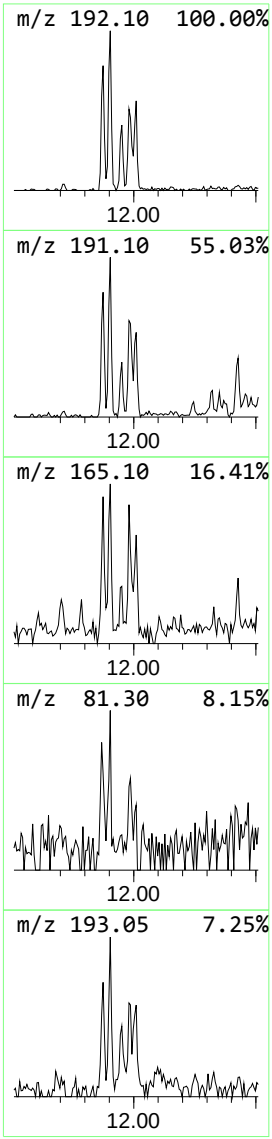
Peak Number 13 Naphtho[2,3-b]norbornadiene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	8.67 ng	90753	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





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Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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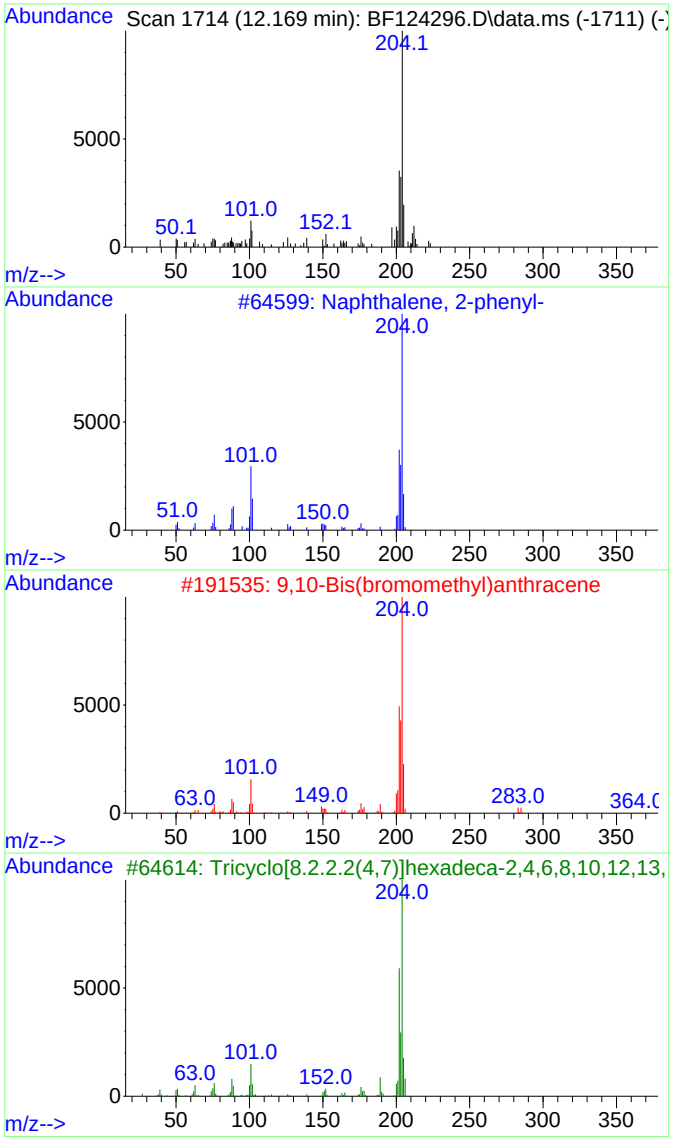
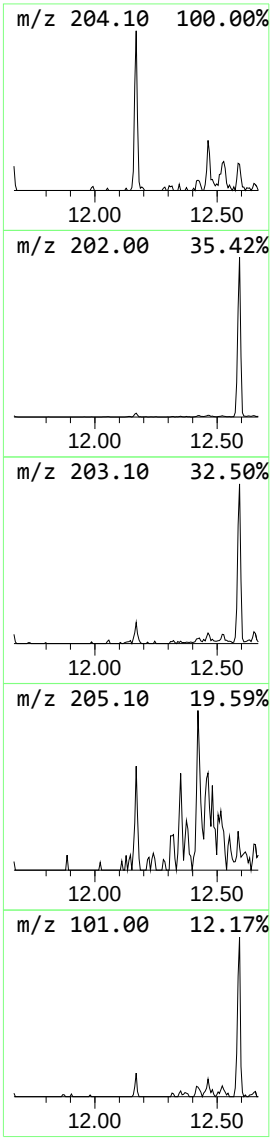
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.169	6.42 ng	67208	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49





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Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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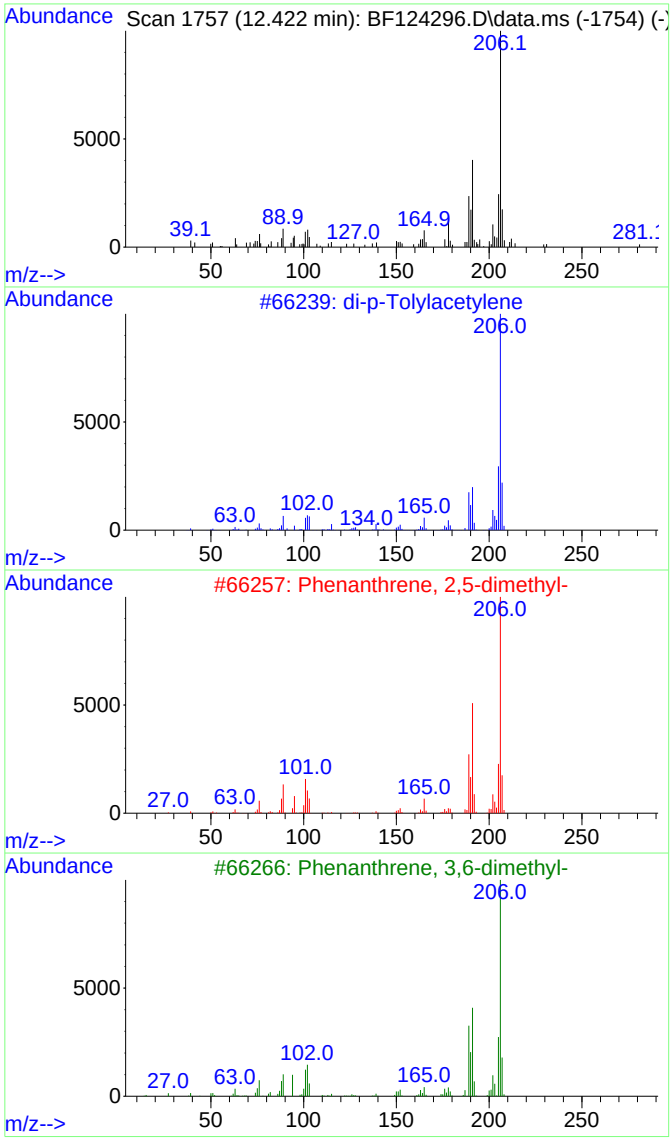
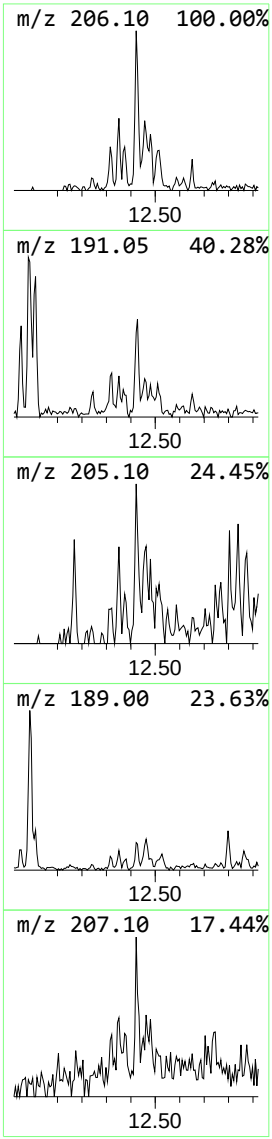
Peak Number 15 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	10.00 ng	104594	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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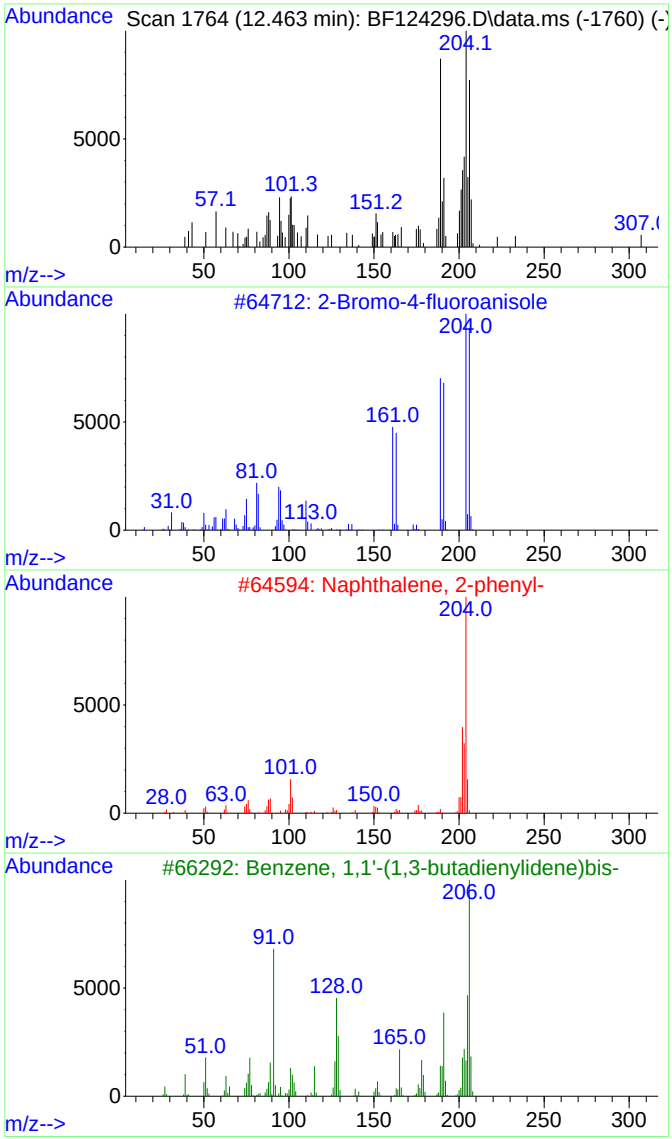
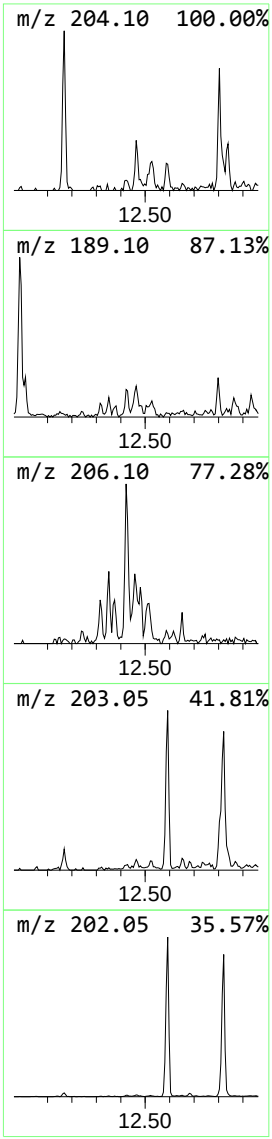
Peak Number 16 unknown12.463 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	7.80 ng	81593	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo-4-fluoroanisole	204	C7H6BrFO	000452-08-4	49
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

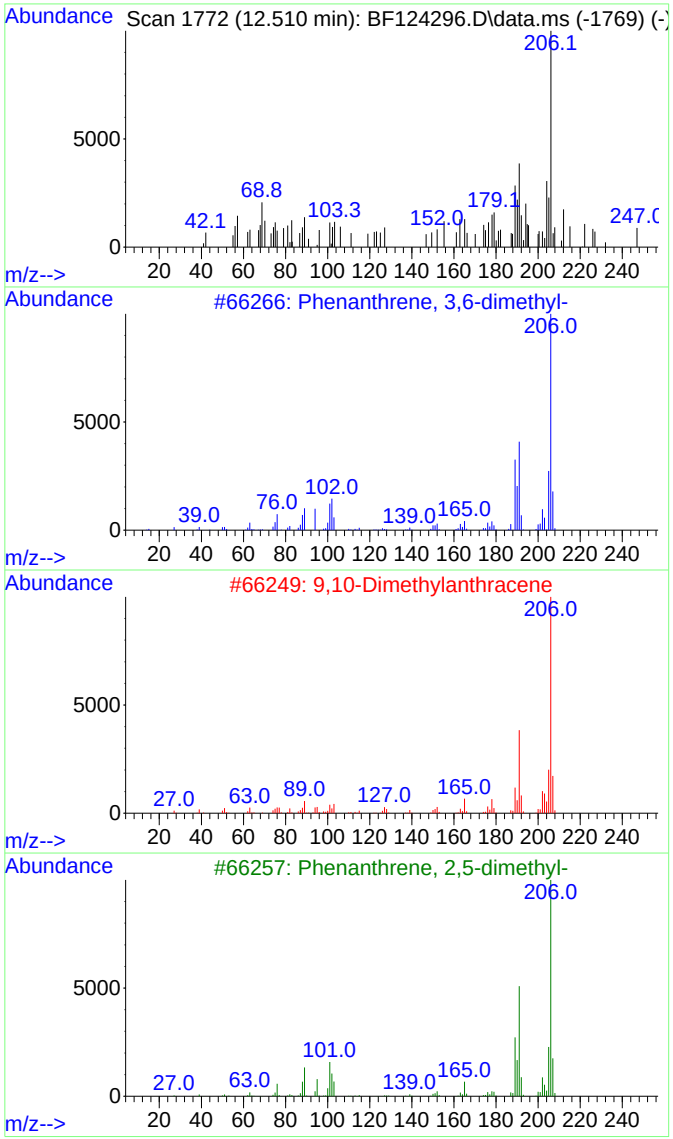
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

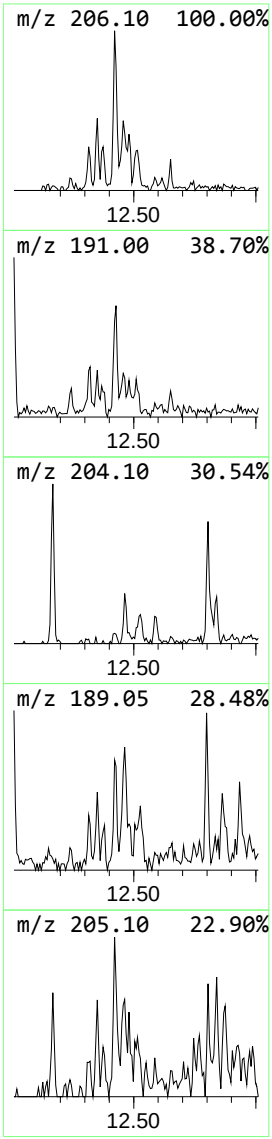
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	5.76 ng	60229	Phenanthrene-d10	11.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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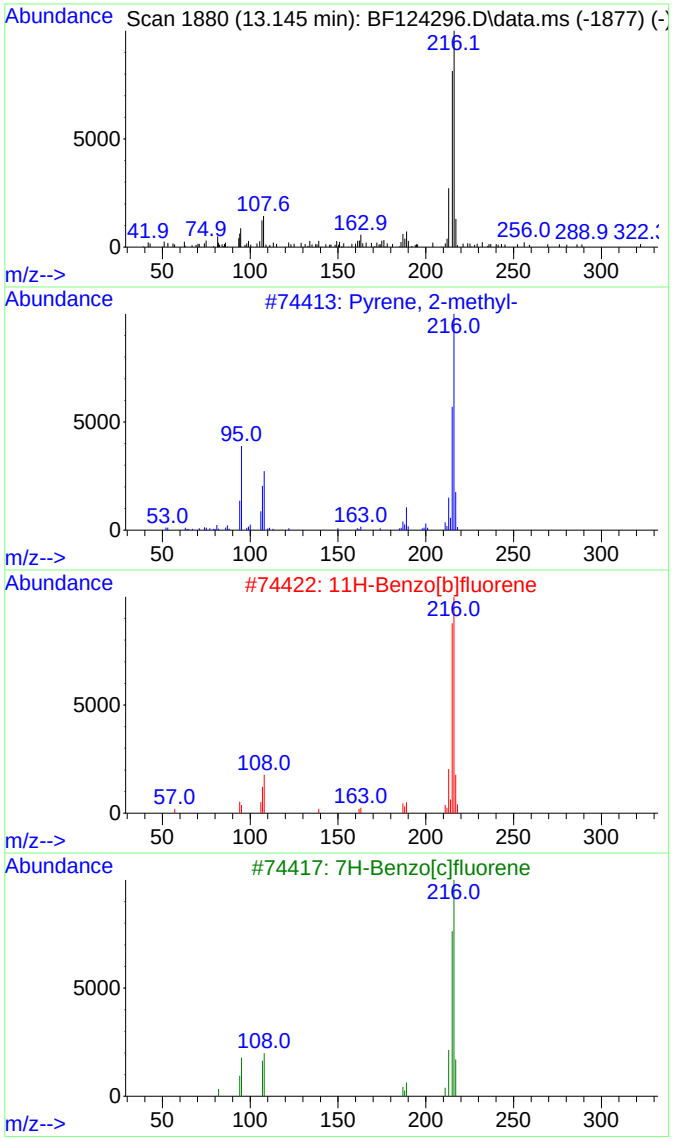
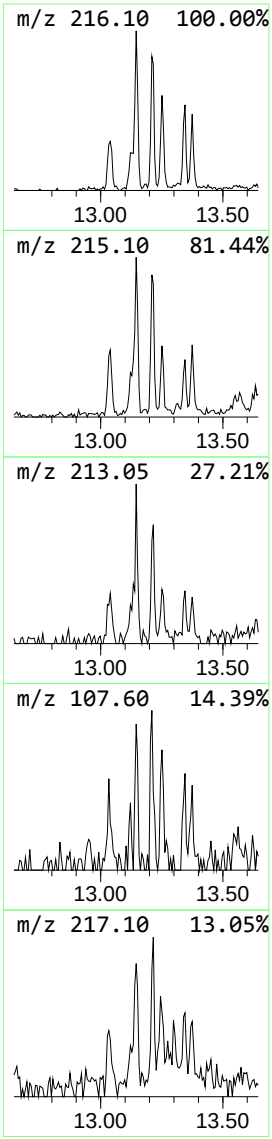
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	6.18 ng	137706	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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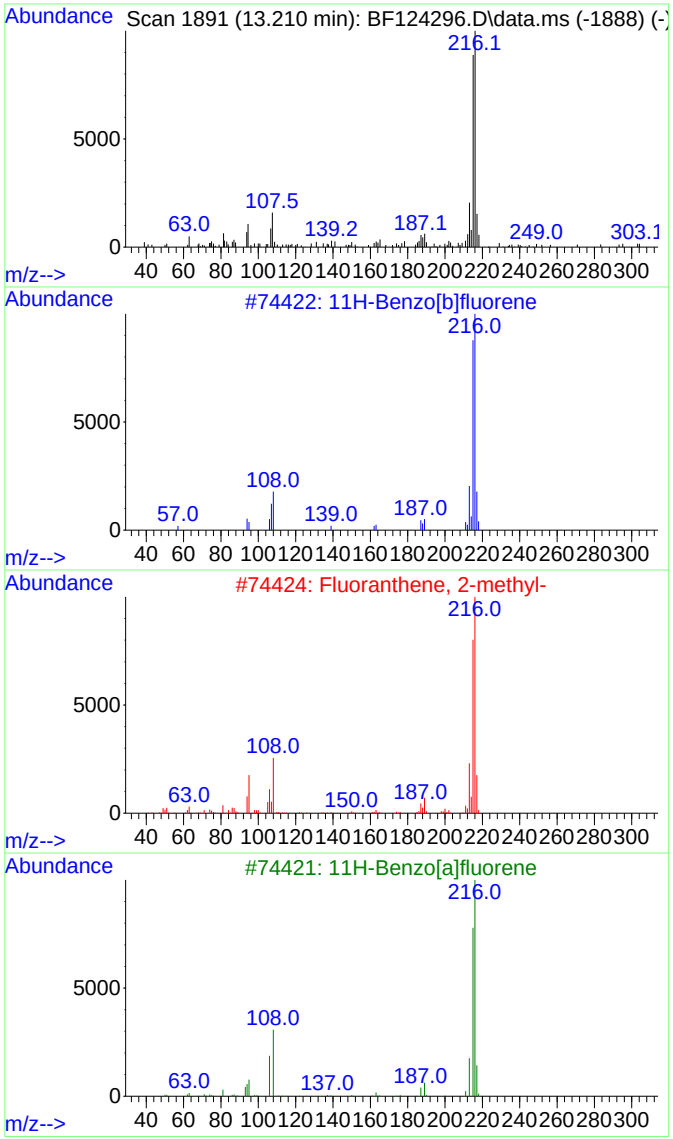
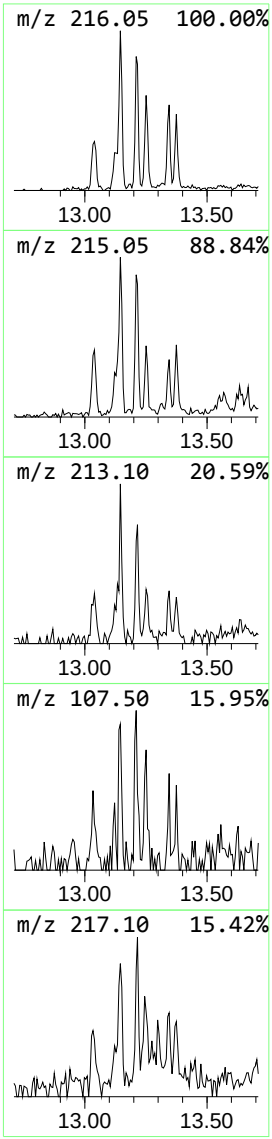
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	4.45 ng	99231	Chrysene-d12	14.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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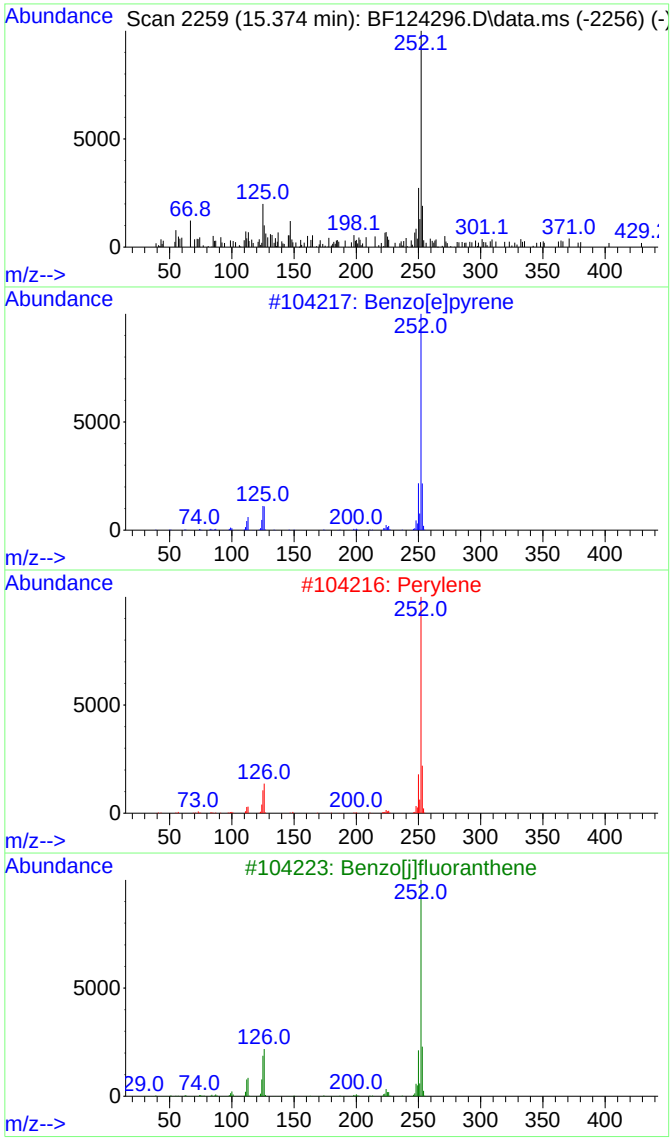
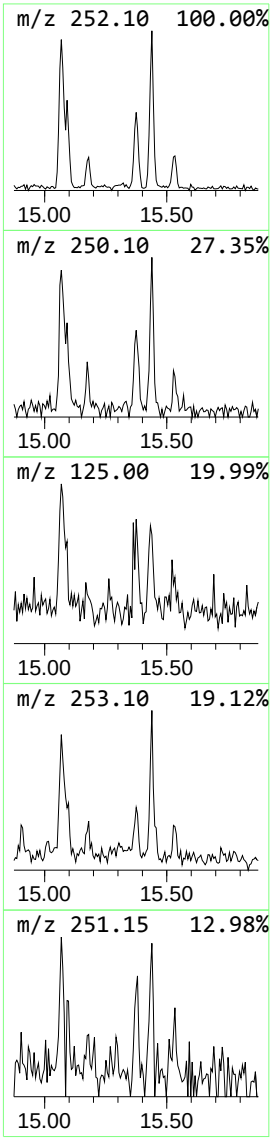
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	14.54 ng	102176	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	76
2	Perylene	252	C20H12	000198-55-0	68
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	64
4	Benzo[a]pyrene	252	C20H12	000050-32-8	58
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
Data File : BF124296.D
Acq On : 12 Jun 2021 20:27
Operator : JU/CG
Sample : M2692-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-061121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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
Naphthalene, 2,...	9.469	7.1	ng	80925	3	9.881	229065	20.0
Naphthalene, 2,...	9.539	9.7	ng	111356	3	9.881	229065	20.0
Naphthalene, 1,...	9.569	4.9	ng	55996	3	9.881	229065	20.0
Naphthalene, 1,...	9.657	5.1	ng	58921	3	9.881	229065	20.0
Pyrido[2,3-b]in...	10.586	5.0	ng	57080	3	9.881	229065	20.0
9H-Fluorene, 1-...	10.975	6.8	ng	71189	4	11.375	209249	20.0
Naphtho[2,1-b]t...	11.269	9.2	ng	95871	4	11.375	209249	20.0
Dibenzothiophen...	11.704	5.4	ng	56366	4	11.375	209249	20.0
1H-Indene, 2-ph...	11.875	14.2	ng	148098	4	11.375	209249	20.0
1H-Indene, 1-ph...	11.904	15.6	ng	162849	4	11.375	209249	20.0
Phenanthrene, 4...	11.951	6.3	ng	66334	4	11.375	209249	20.0
4H-Cyclopenta[d...	11.986	21.1	ng	220821	4	11.375	209249	20.0
Naphtho[2,3-b]n...	12.010	8.7	ng	90753	4	11.375	209249	20.0
Naphthalene, 2-...	12.169	6.4	ng	67208	4	11.375	209249	20.0
di-p-Tolylacety...	12.422	10.0	ng	104594	4	11.375	209249	20.0
unknown12.463	12.463	7.8	ng	81593	4	11.375	209249	20.0
Phenanthrene, 3...	12.510	5.8	ng	60229	4	11.375	209249	20.0
Pyrene, 2-methyl-	13.145	6.2	ng	137706	5	14.022	445649	20.0
11H-Benzo[b]flu...	13.210	4.5	ng	99231	5	14.022	445649	20.0
Benzo[e]pyrene	15.374	14.5	ng	102176	6	15.504	140526	20.0