LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123628.D
Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123628.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	6	12	rVB	2496950	2969211	45.58%	2.559%
2	5.487	574	578	582	rBV	6808725	6024881	92.49%	5.193%
3	6.498	745	750	759	rBV	6884772	6330506	97.18%	5.457%
4	6.863	808	812	815	rBV	2037253	1535771	23.57%	1.324%
5	7.269	874	881	888	rBV	157550	183079	2.81%	0.158%
6	7.422	902	907	910	rBV	4308079	4144904	63.63%	3.573%
7	8.145	1026	1030	1032	rBV	2322364	2040637	31.32%	1.759%
8	8.169	1032	1034	1037	rVB	1672360	1208535	18.55%	1.042%
9	8.863	1147	1152	1155	rBV	681243	583106	8.95%	0.503%
10	8.957	1164	1168	1173	rBV	502380	465043	7.14%	0.401%
11	9.228	1209	1214	1217	rBV	6424907	5413297	83.10%	4.666%
12	9.328	1228	1231	1232	rBV	178048	176854	2.71%	0.152%
13	9.345	1232	1234	1241	rVB	489539	430244	6.60%	0.371%
14	9.492	1253	1259	1263	rBV	222627	295957	4.54%	0.255%
15	9.563	1266	1271	1273	rBV	407697	390242	5.99%	0.336%
16	9.586	1273	1275	1278	rVV	248271	207709	3.19%	0.179%
17	9.616	1278	1280	1284	rVB	464516	341600	5.24%	0.294%
18	9.763	1300	1305	1310	rBV	442801	384507	5.90%	0.331%
19	9.904	1326	1329	1332	rVB	2390094	1972135	30.27%	1.700%
20	9.939	1332	1335	1338	rVB	573349	463213	7.11%	0.399%
21	10.110	1360	1364	1368	rVB	1107665	880831	13.52%	0.759%
22	10.451	1419	1422	1428	rVB2	806060	721046	11.07%	0.622%
23	10.610	1447	1449	1454	rVB	464531	368790	5.66%	0.318%
24	10.698	1459	1464	1467	rVV	4788775	4427377	67.96%	3.816%
25	10.822	1481	1485	1491	rVB4	144417	188684	2.90%	0.163%
26	11.004	1508	1516	1518	rBV4	221606	378034	5.80%	0.326%
27	11.133	1533	1538	1540	rBV3	249708	269887	4.14%	0.233%
28	11.198	1546	1549	1553	rVB	1084242	871972	13.39%	0.752%
29	11.245	1553	1557	1561	rBV3	267720	416679	6.40%	0.359%
30	11.292	1562	1565	1570	rVB	550136	526892	8.09%	0.454%
31	11.398	1579	1583	1585	rBV	1994882	2157961	33.13%	1.860%
32	11.427	1585	1588	1590	rVV	7208493	6514420	100.00%	5.615%
33	11.469	1590	1595	1598	rVV2	1018022	1063914	16.33%	0.917%
34	11.498	1598	1600	1604	rVB2	195679	186038	2.86%	0.160%
35	11.622	1616	1621	1624	rBV2	1050537	1091408	16.75%	0.941%
36	11.692	1630	1633	1636	rBV3	219084	172662	2.65%	0.149%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123628.D
Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.727	1636	1639	1644	rVB3	269987	269491	4.14%	0.232%
38	11.898	1662	1668	1670	rBV	1125444	1004706	15.42%	0.866%
39	11.927	1670	1673	1678	rVB	1915071	1533897	23.55%	1.322%
40	11.974	1678	1681	1683	rVB	364639	303304	4.66%	0.261%
41	12.010	1683	1687	1689	rBV	1112178	1166787	17.91%	1.006%
42	12.033	1689	1691	1695	rVB	792316	588762	9.04%	0.507%
43	12.074	1695	1698	1700	rBV	169489	173914	2.67%	0.150%
44	12.098	1700	1702	1706	rVV	216335	235204	3.61%	0.203%
45	12.192	1716	1718	1720	rVV	735888	681779	10.47%	0.588%
46	12.216	1720	1722	1726	rVV	1431333	1147729	17.62%	0.989%
47	12.345	1741	1744	1746	rBV2	216572	173156	2.66%	0.149%
48	12.398	1751	1753	1756	rVB	219826	167458	2.57%	0.144%
49	12.451	1756	1762	1765	rBV	642682	706244	10.84%	0.609%
50	12.486	1765	1768	1770	rVV2	245858	276588	4.25%	0.238%
51	12.533	1774	1776	1782	rVB	723140	704408	10.81%	0.607%
52	12.616	1782	1790	1794	rBV	6429965	6351251	97.50%	5.475%
53	12.704	1803	1805	1808	rVB	213916	183353	2.81%	0.158%
54	12.745	1808	1812	1813	rBV	361248	383013	5.88%	0.330%
55	12.763	1813	1815	1818	rVB	215261	198121	3.04%	0.171%
56	12.845	1823	1829	1834	rBV2	5148017	6431148	98.72%	5.544%
57	12.886	1834	1836	1842	rVB2	434913	493905	7.58%	0.426%
58	12.963	1845	1849	1850	rBV	492507	490463	7.53%	0.423%
59	12.986	1850	1853	1860	rVB	4382930	3955878	60.72%	3.410%
60	13.063	1860	1866	1869	rBV2	508469	884606	13.58%	0.763%
61	13.145	1873	1880	1882	rBV5	423191	597874	9.18%	0.515%
62	13.169	1882	1884	1887	rVB	635842	543687	8.35%	0.469%
63	13.233	1893	1895	1898	rVB	257272	208103	3.19%	0.179%
64	13.274	1898	1902	1905	rBV2	809819	841891	12.92%	0.726%
65	13.333	1909	1912	1914	rBV	177923	177980	2.73%	0.153%
66	13.369	1915	1918	1920	rVB	344656	274500	4.21%	0.237%
67	13.398	1920	1923	1927	rBV2	357763	377393	5.79%	0.325%
68	13.674	1967	1970	1976	rVB	822215	846546	12.99%	0.730%
69	13.786	1985	1989	1992	rBV2	543474	716130	10.99%	0.617%
70	13.821	1992	1995	1997	rVV	526709	469724	7.21%	0.405%
71	13.845	1997	1999	2003	rVB2	292832	394018	6.05%	0.340%
72	13.886	2003	2006	2008	rBV	695137	597875	9.18%	0.515%
73	14.039	2025	2032	2035	rBV2	3240379	4662621	71.57%	4.019%
74	14.074	2035	2038	2043	rVB	2503509	2658160	40.80%	2.291%
75	14.227	2062	2064	2067	rVB2	235614	233638	3.59%	0.201%
76	14.268	2067	2071	2074	rBV3	342596	455446	6.99%	0.393%

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.368	2084	2088	2090	rVV4	172050	195686	3.00%	0.169%
78	14.427	2094	2098	2101	rVV	628764	721168	11.07%	0.622%
79	14.463	2101	2104	2108	rVV2	488065	558204	8.57%	0.481%
80	14.515	2108	2113	2117	rVV4	247207	454476	6.98%	0.392%
81	14.557	2117	2120	2122	rVV	353453	391455	6.01%	0.337%
82	14.580	2122	2124	2127	rVV3	239242	239141	3.67%	0.206%
83	14.627	2130	2132	2137	rVB3	200807	218915	3.36%	0.189%
84	14.733	2147	2150	2154	rBV3	168932	228359	3.51%	0.197%
85	14.915	2177	2181	2182	rBV2	174325	215616	3.31%	0.186%
86	14.998	2192	2195	2198	rBV3	150220	168033	2.58%	0.145%
87	15.098	2206	2212	2220	rBV	1954454	4268200	65.52%	3.679%
88	15.168	2222	2224	2227	rVV2	160124	176154	2.70%	0.152%
89	15.204	2227	2230	2233	rVB	343922	341014	5.23%	0.294%
90	15.292	2242	2245	2247	rBV2	147877	204651	3.14%	0.176%
91	15.404	2259	2264	2270	rVB	1180907	1710852	26.26%	1.475%
92	15.468	2270	2275	2280	rBV	1751793	2160927	33.17%	1.863%
93	15.527	2280	2285	2288	rBV	1128298	1497057	22.98%	1.290%
94	15.562	2288	2291	2298	rVB2	478614	706234	10.84%	0.609%
95	16.015	2364	2368	2373	rBV4	114330	179911	2.76%	0.155%
96	17.015	2532	2538	2547	rVB2	708107	1419344	21.79%	1.223%
97	17.192	2565	2568	2573	rVB	118952	183165	2.81%	0.158%
98	17.256	2575	2579	2583	rVB2	110465	179824	2.76%	0.155%
99	17.462	2607	2614	2624	rVB2	456324	977571	15.01%	0.843%
100	17.698	2649	2654	2665	rVB3	125125	257660	3.96%	0.222%

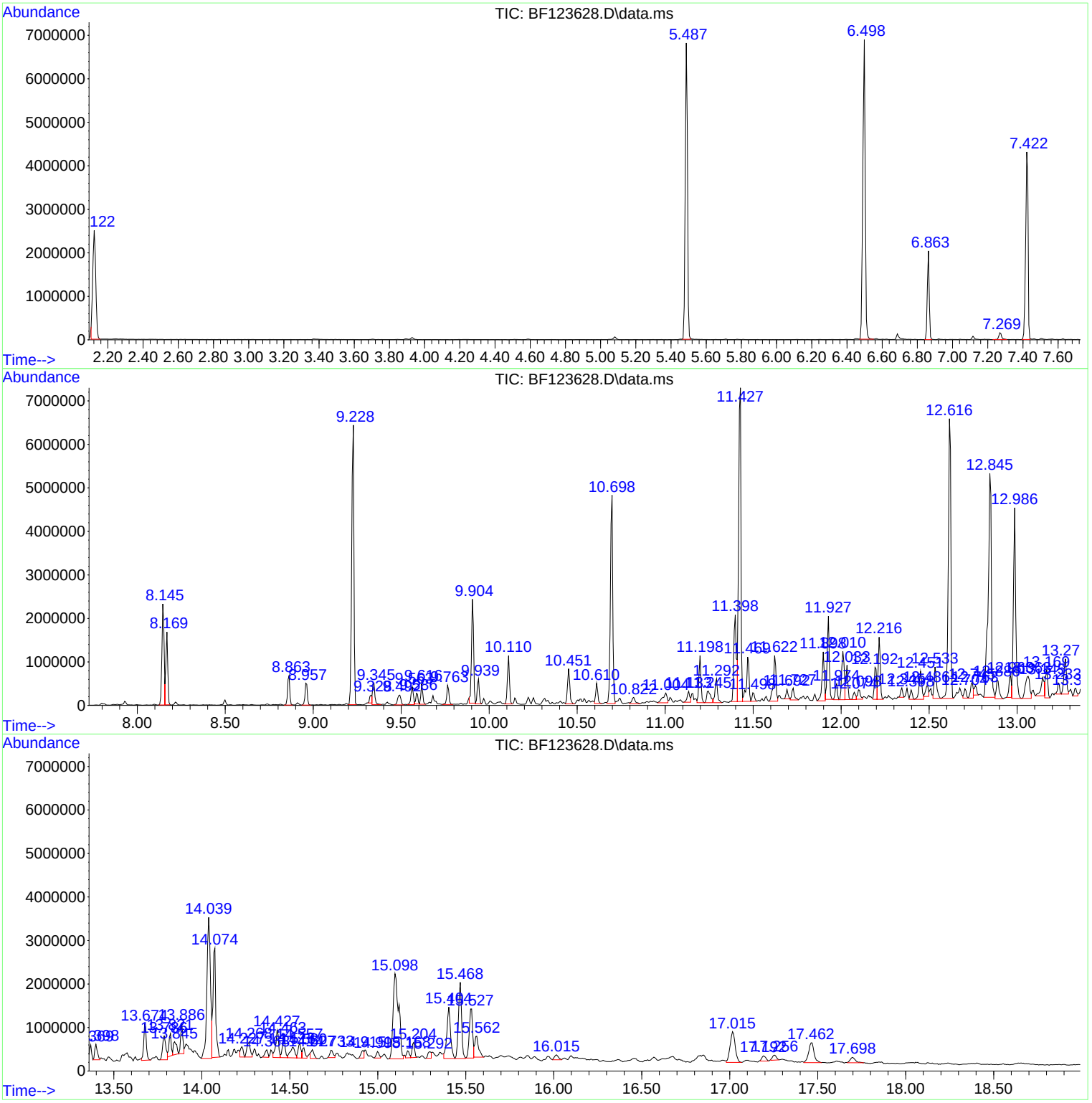
Sum of corrected areas: 116012394

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123628.D
Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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\BF041921\
Data File : BF123628.D
Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

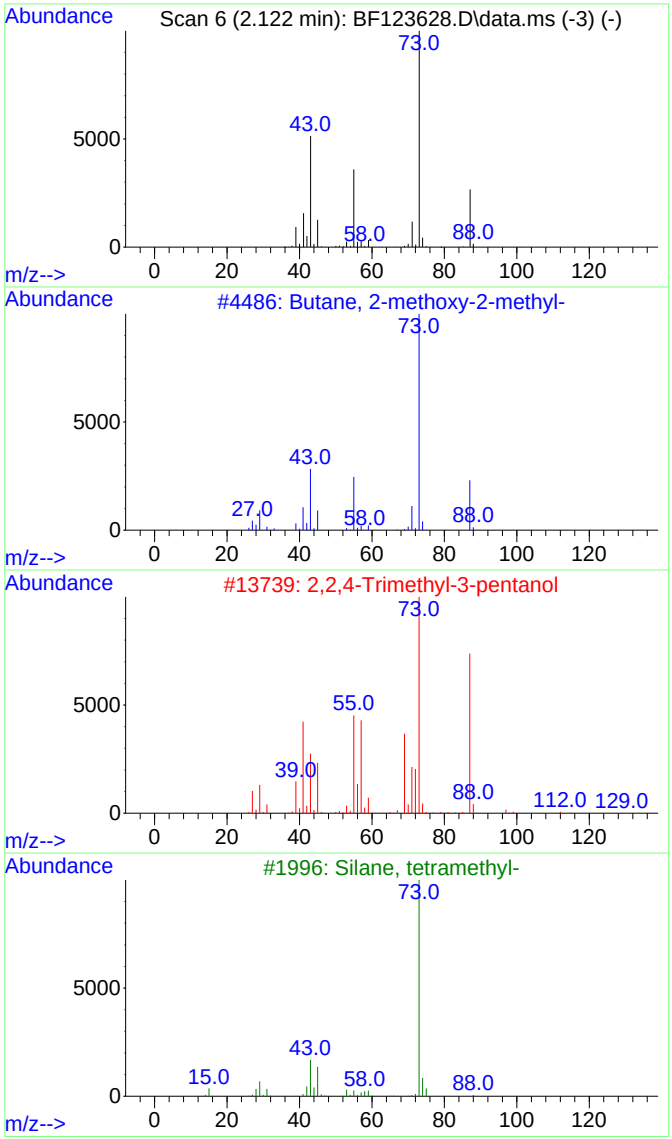
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

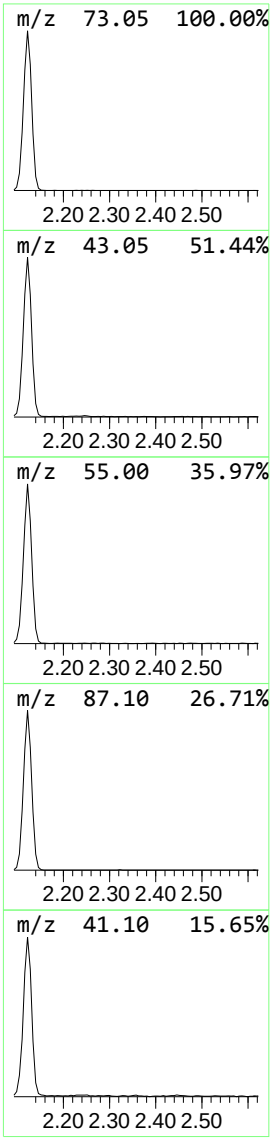
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.122	38.67 ng	2969210	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	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123628.D
Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

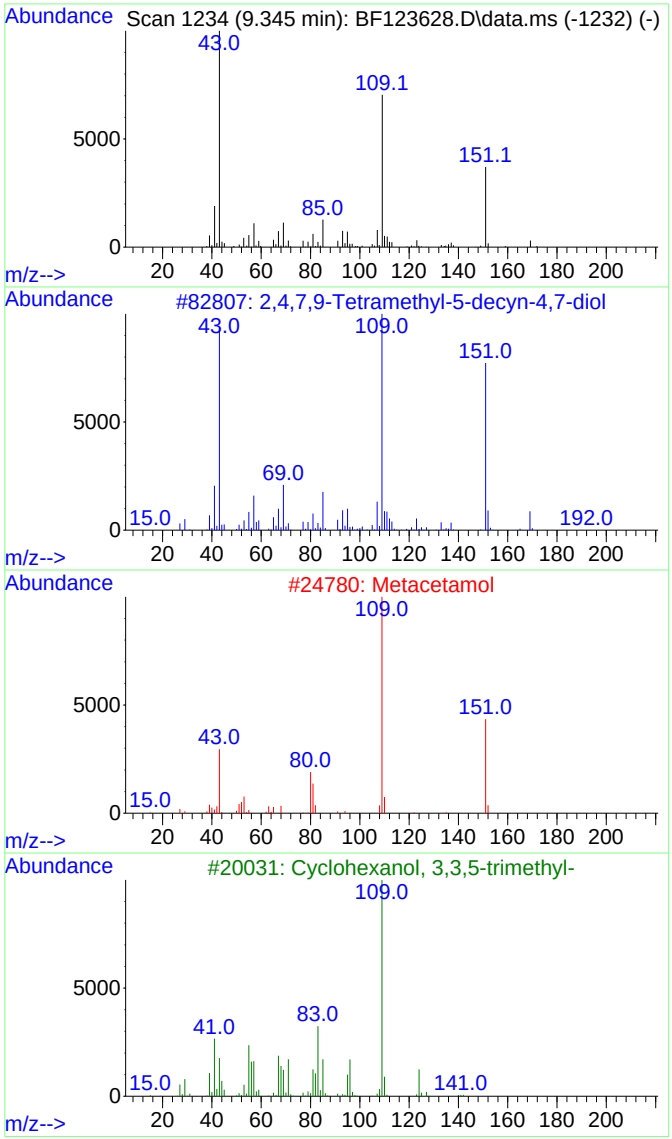
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

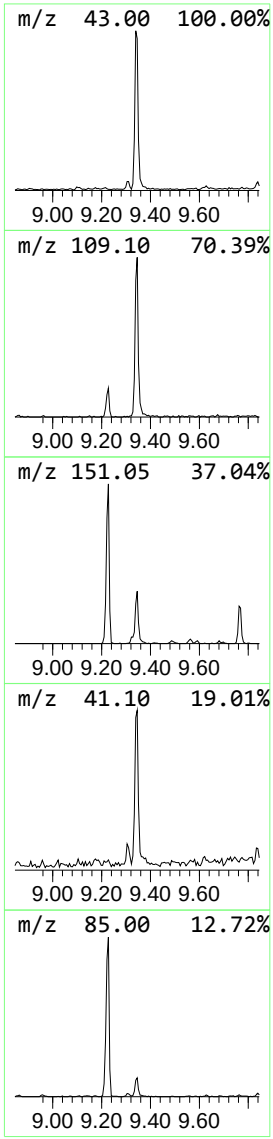
****

Peak Number 2 unknown9.345 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.345	4.36 ng	430244	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	47
2	Metacetamol	151	C8H9NO2	000621-42-1	32
3	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	32
4	3,6-Dimethyl-6-hepten-4-yn-3-ol	138	C9H14O	003601-67-0	32
5	Acetaminophen	151	C8H9NO2	000103-90-2	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

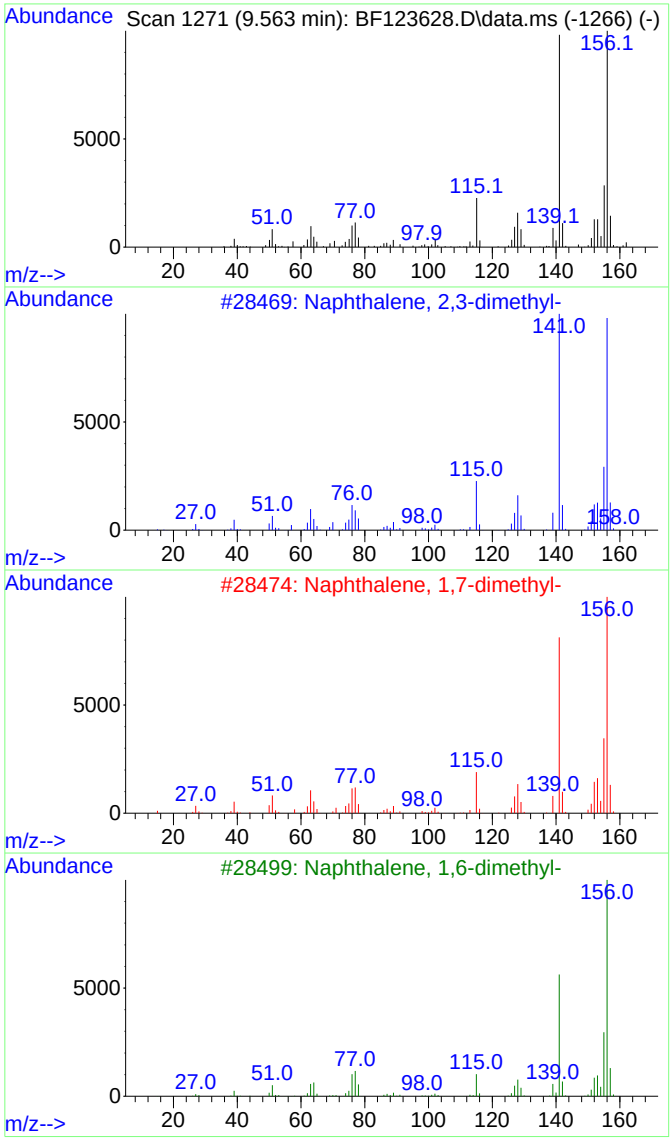
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

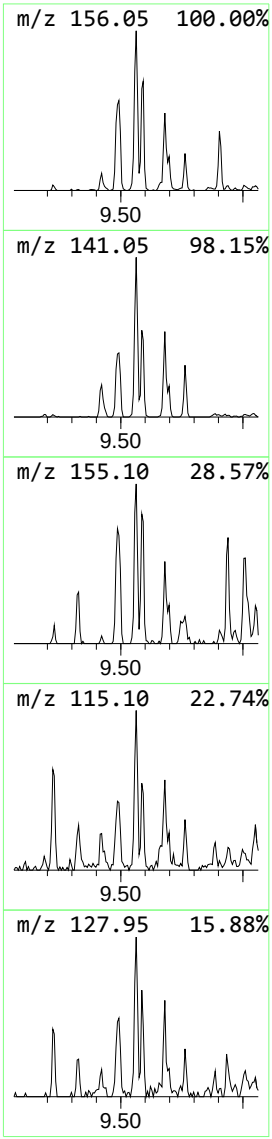
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	3.96 ng	390242	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123628.D
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Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

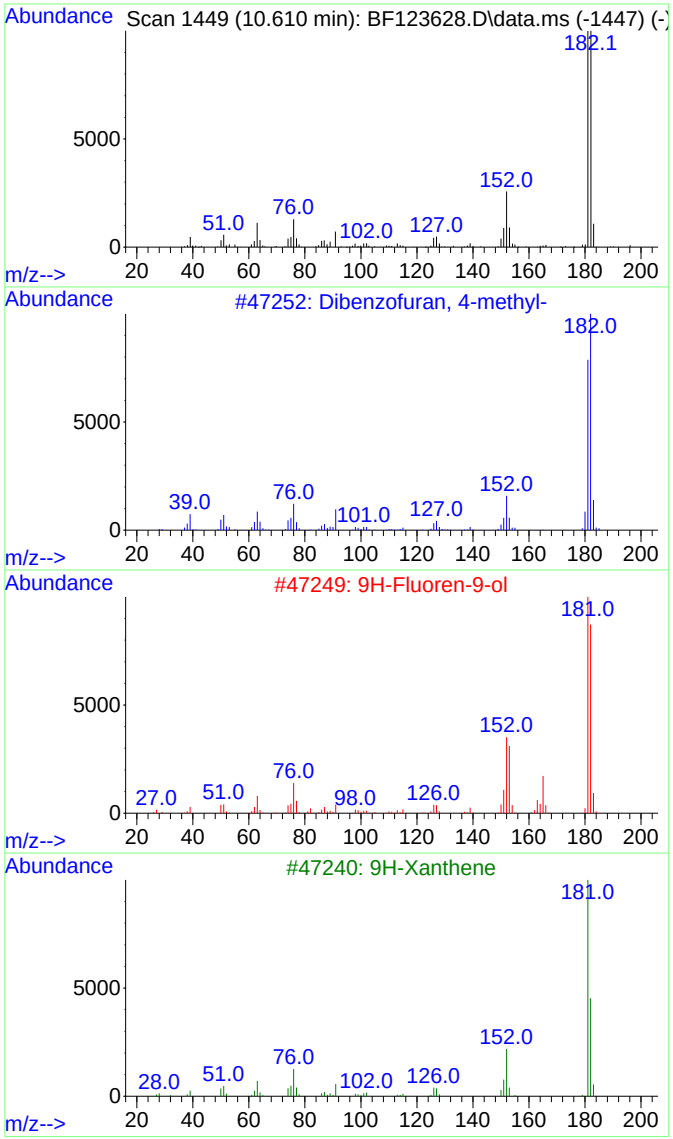
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

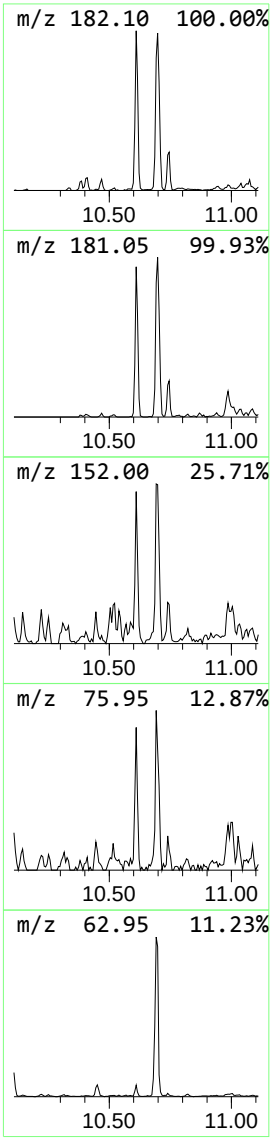
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	3.74 ng	368790	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	9H-Xanthene	182	C13H10O	000092-83-1	72
4	2-Fluorenamine	181	C13H11N	000153-78-6	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123628.D
Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

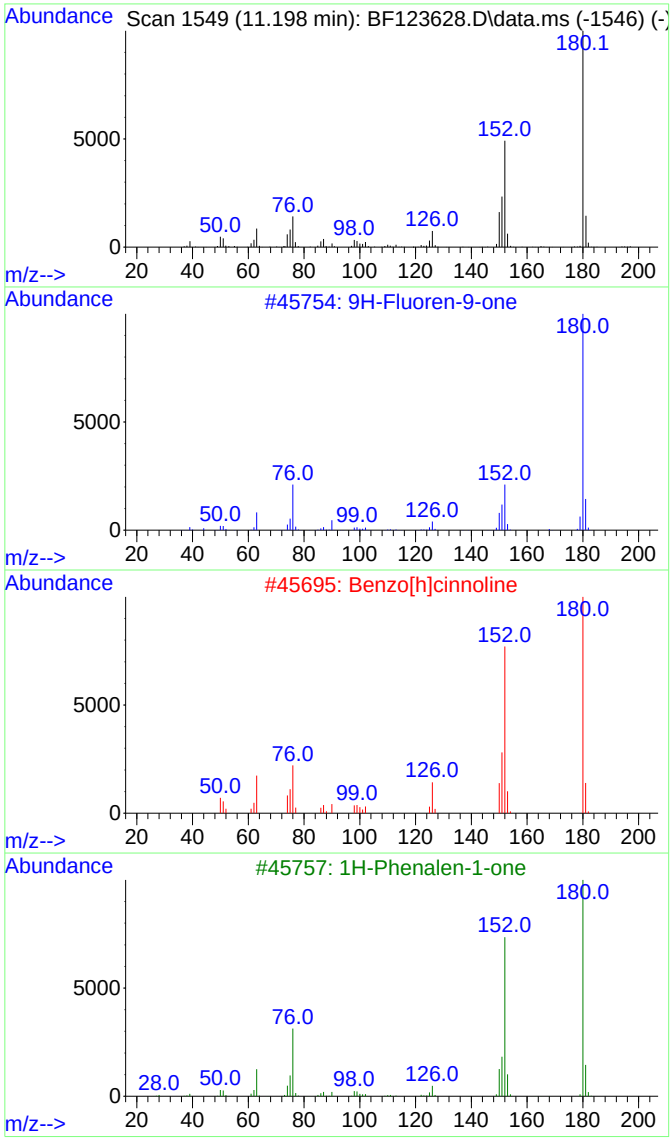
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

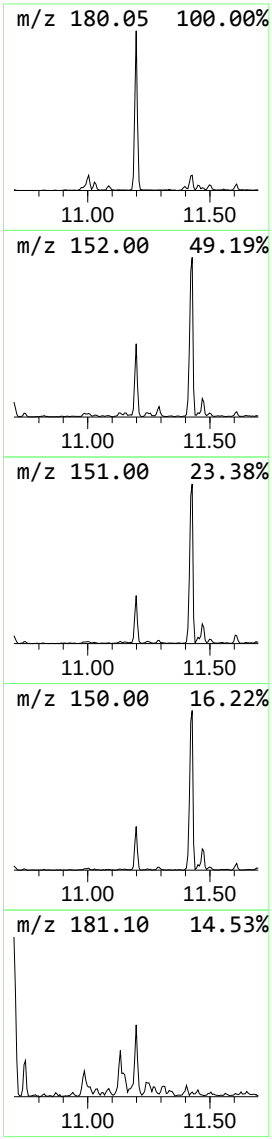
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.198	8.08 ng	871972	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	42
5	(E)-Stilbene	180	C14H12	000103-30-0	38





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Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

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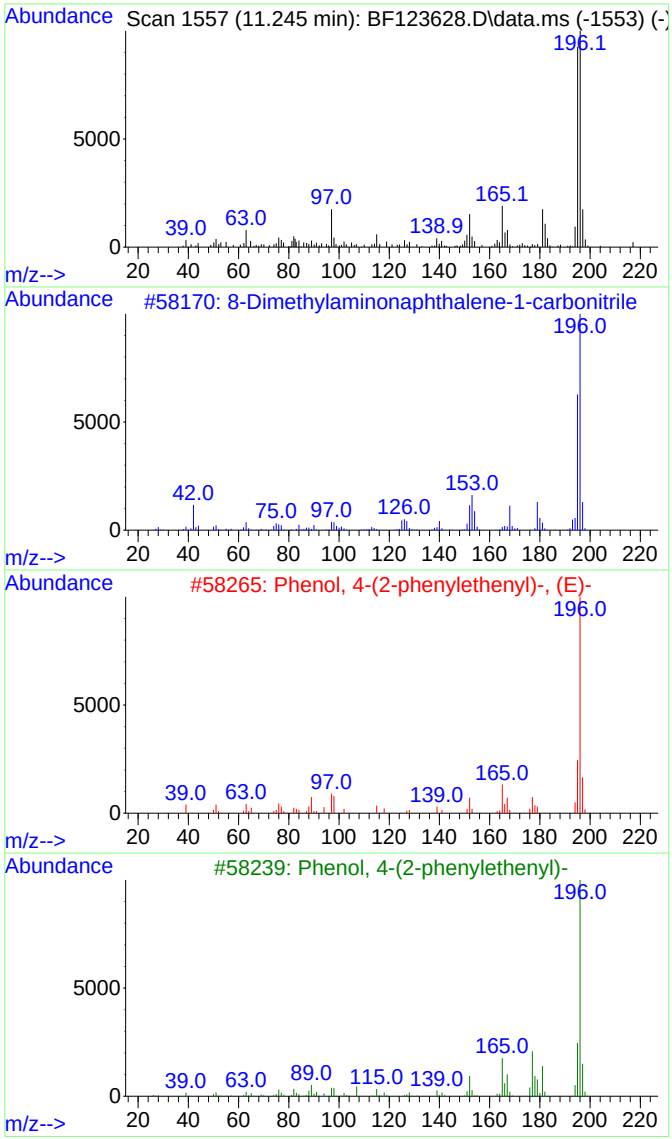
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

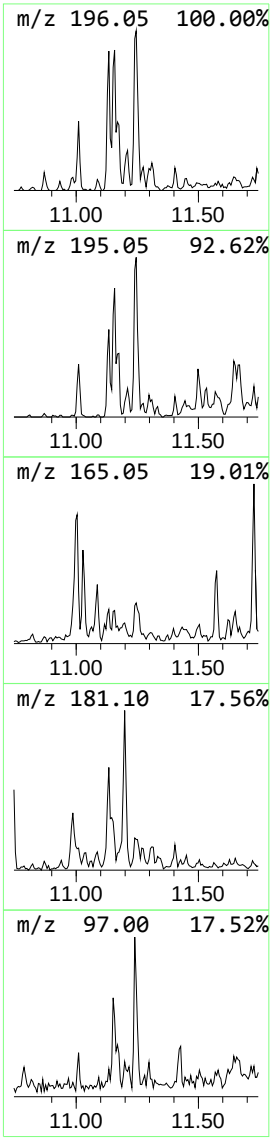
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 8-Dimethylaminonaphthalene-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	3.86 ng	416679	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47





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Sample : M2051-03
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Instrument : BNA_F
ClientSampleId : 0124035

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

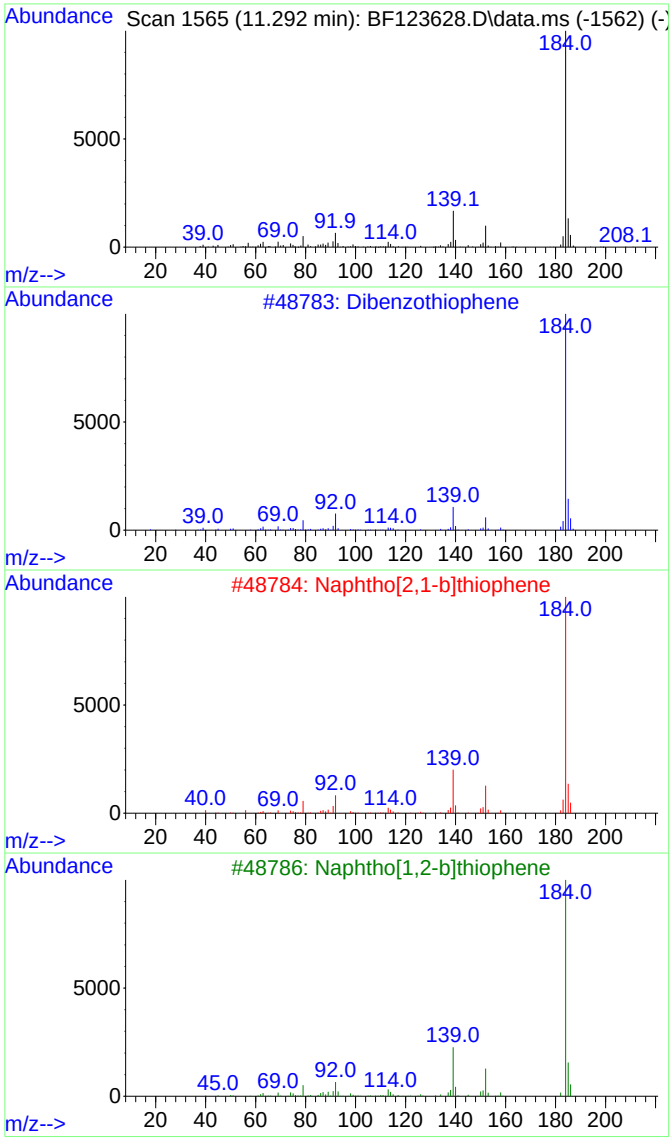
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

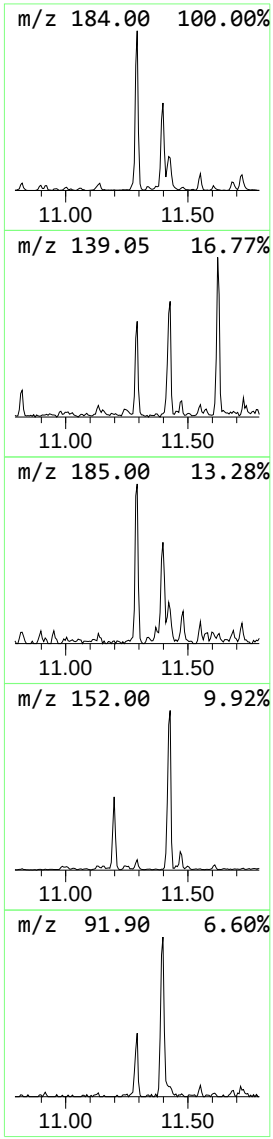
****

Peak Number 7 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	4.88 ng	526892	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

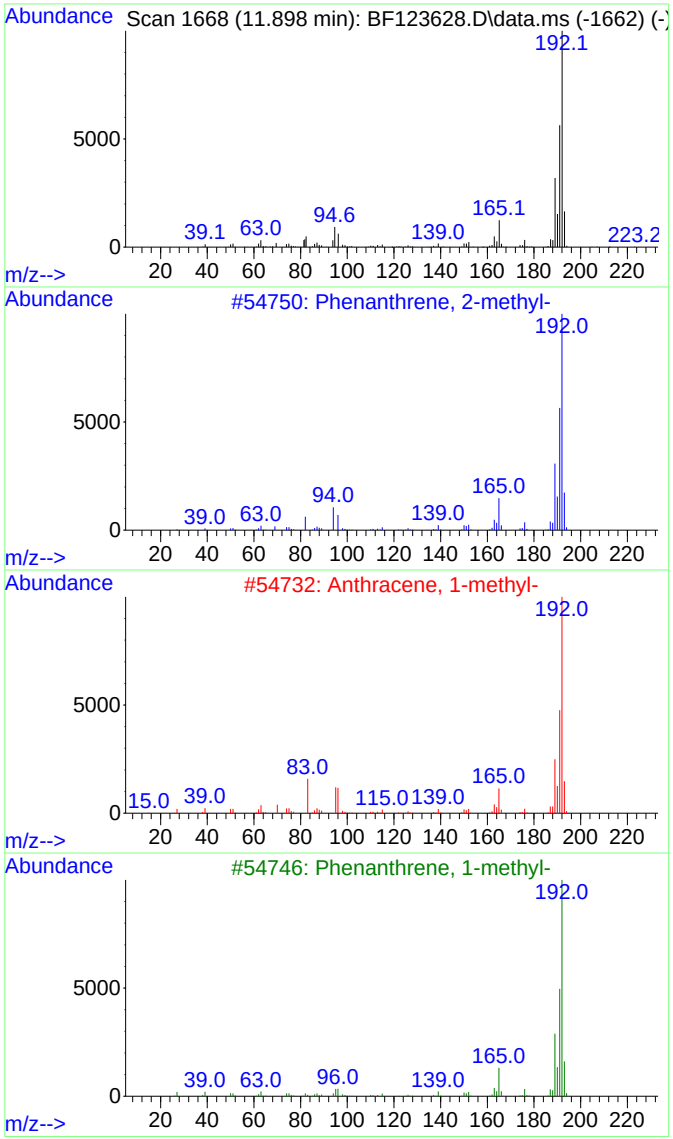
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

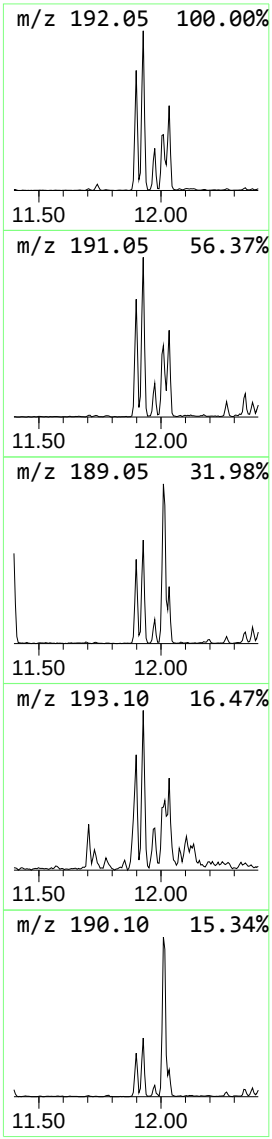
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	9.31 ng	1004710	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

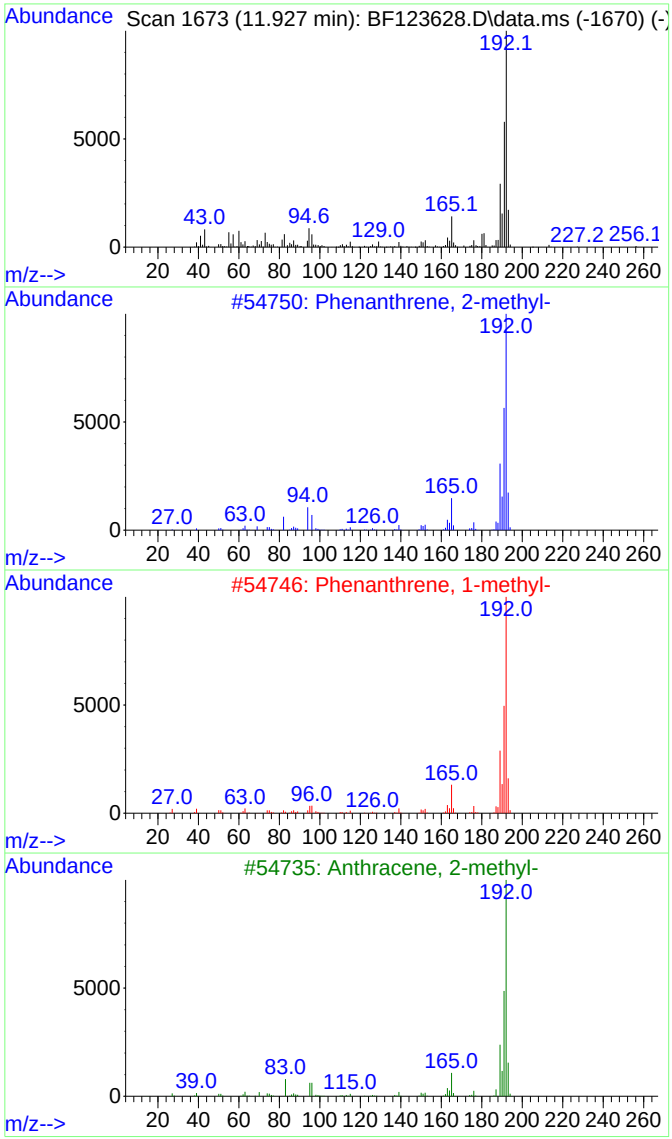
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

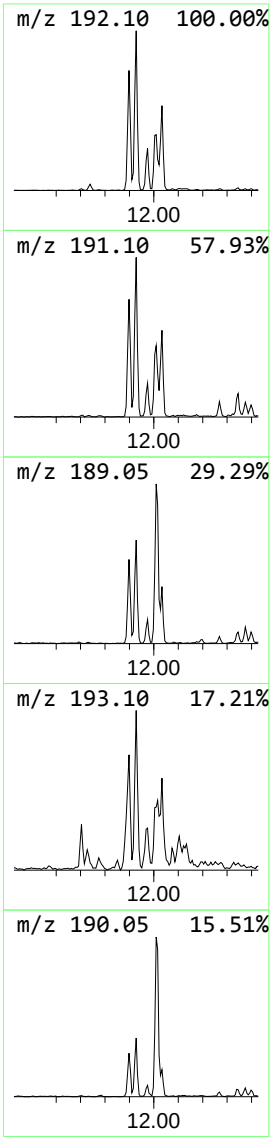
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	14.22 ng	1533900	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Operator : JU/CG
Sample : M2051-03
Misc :
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Instrument : BNA_F
ClientSampleId : 0124035

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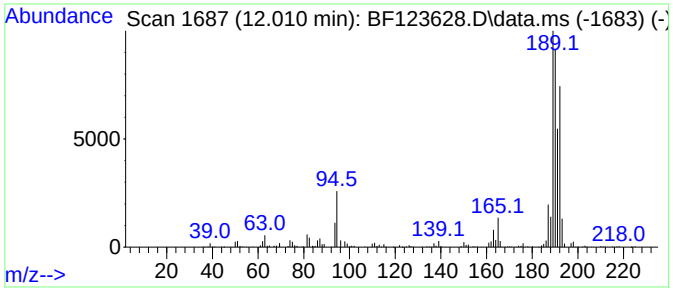
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

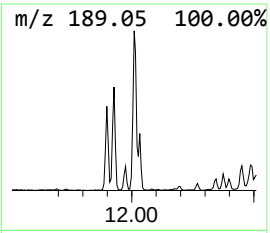
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

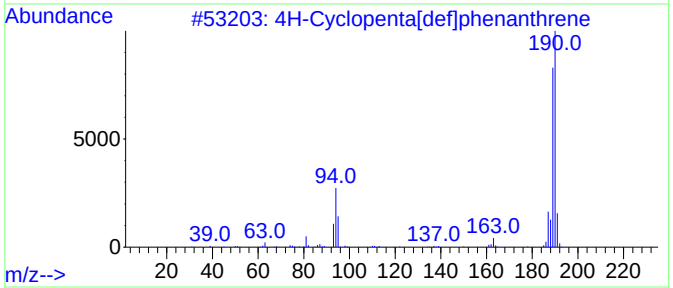
****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

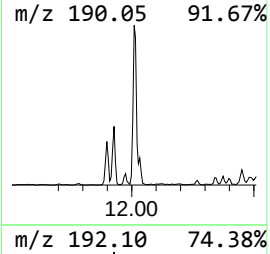
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	10.81 ng	1166790	Phenanthrene-d10	11.398

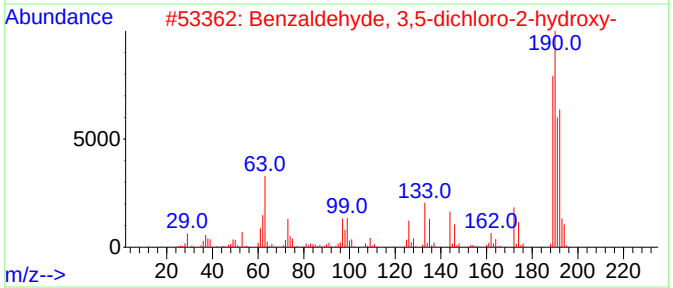
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42

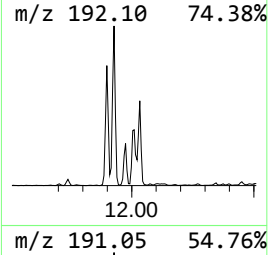


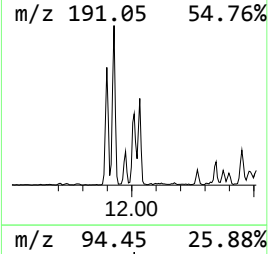


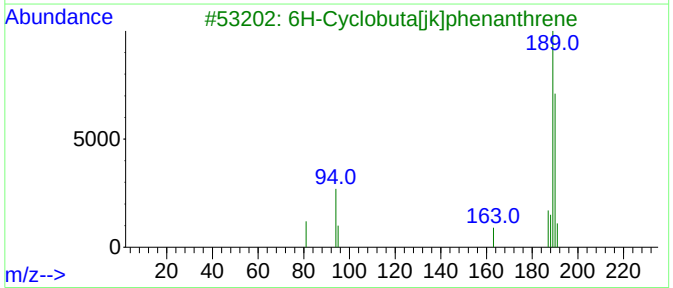


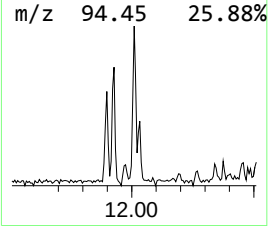












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Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

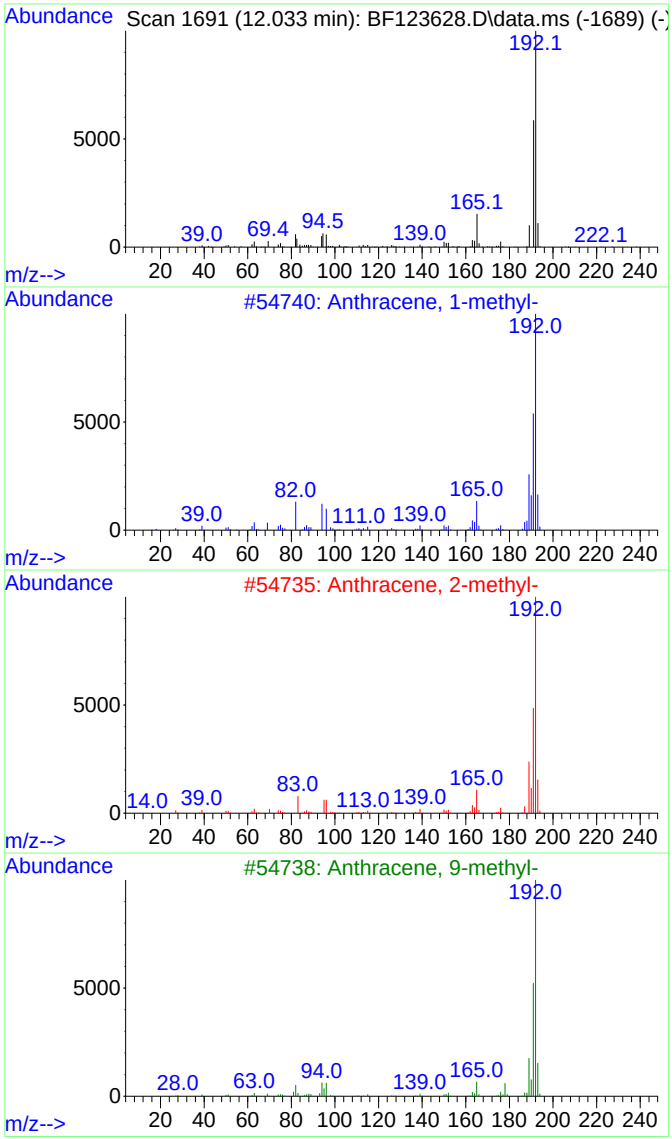
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

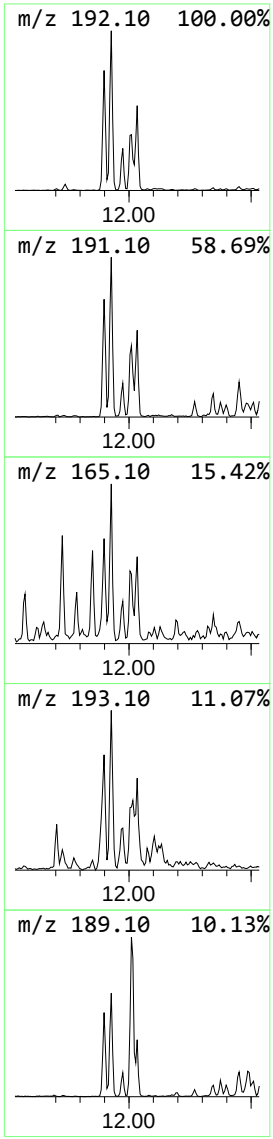
****

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	5.46 ng	588762	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	68
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	64





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

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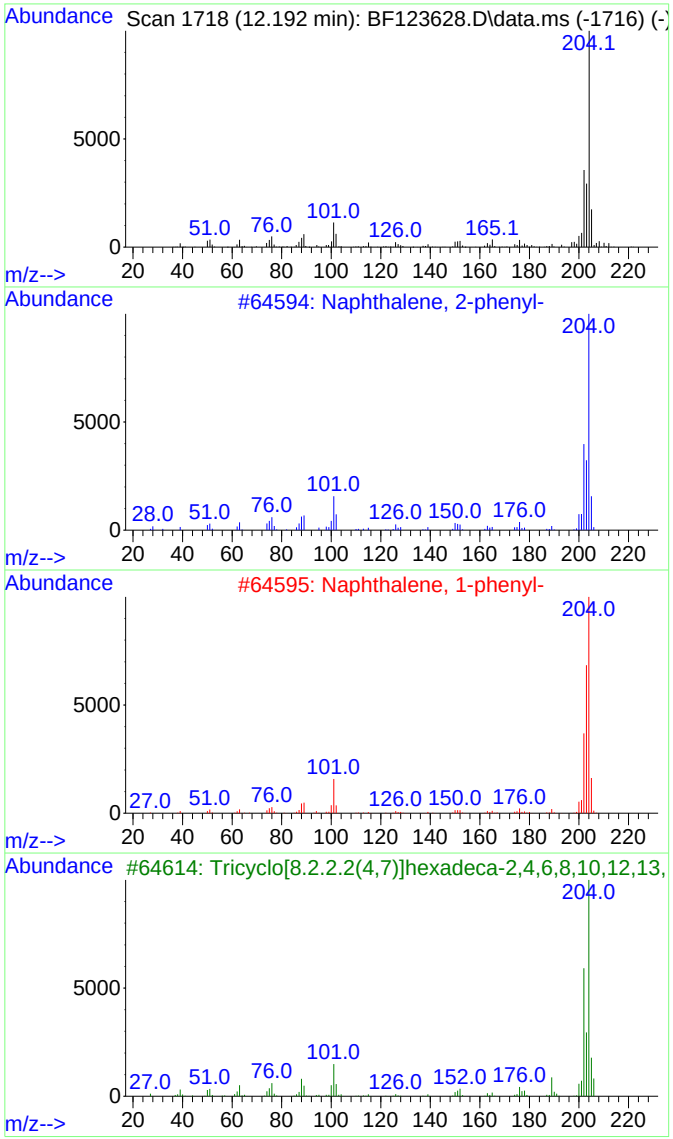
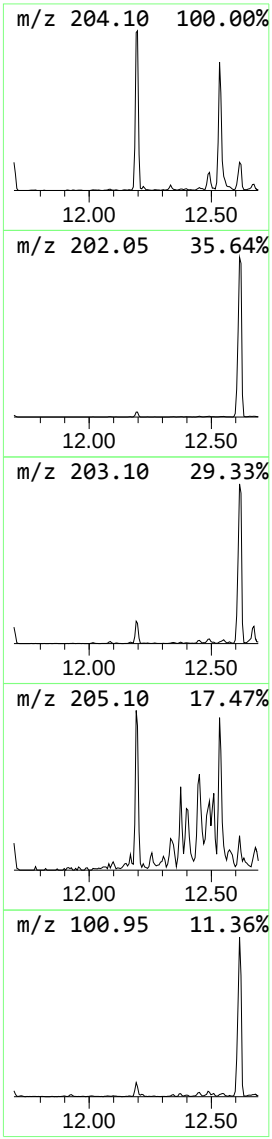
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	6.32 ng	681779	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53





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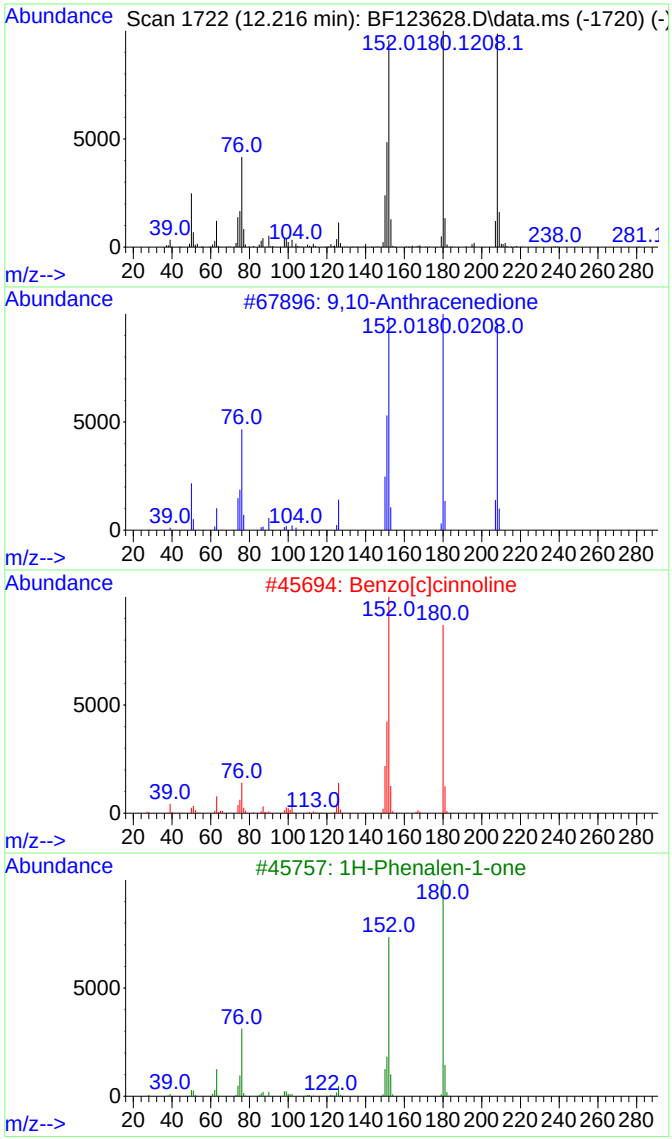
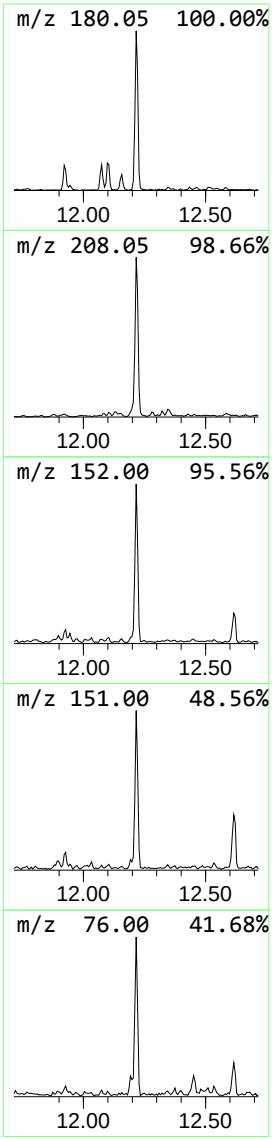
Peak Number 13 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	10.64 ng	1147730	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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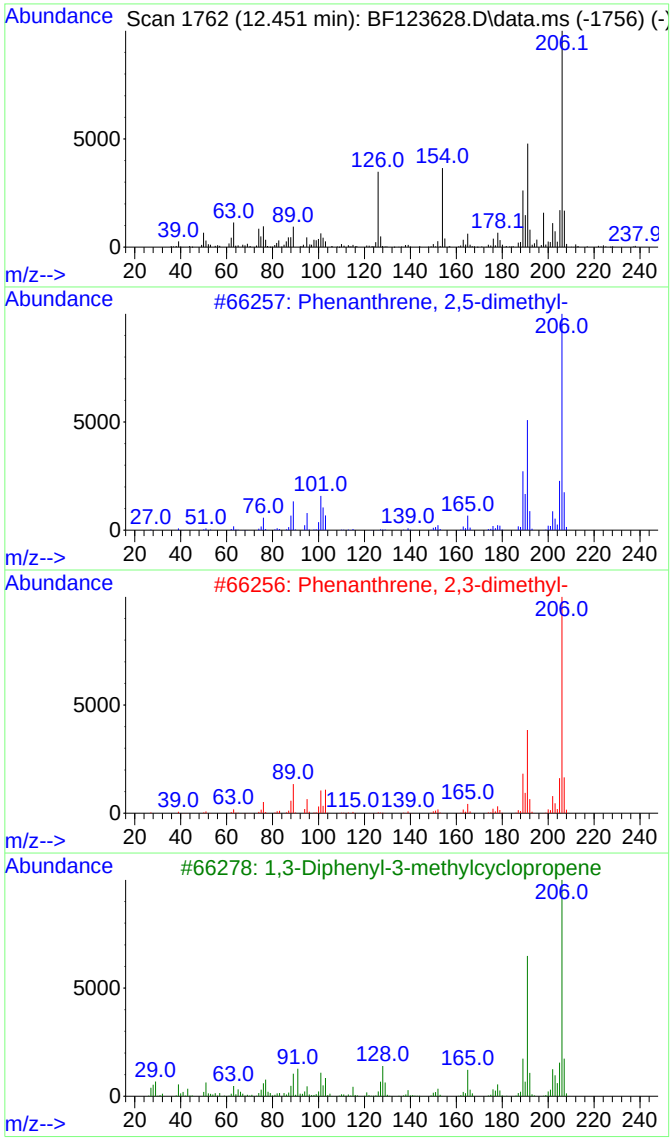
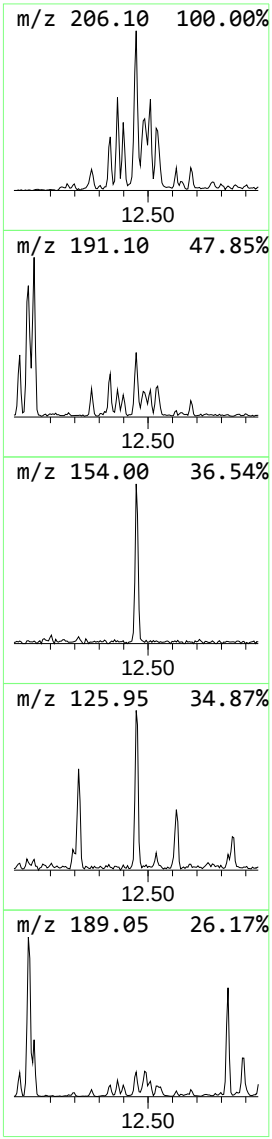
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	6.55 ng	706244	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	78





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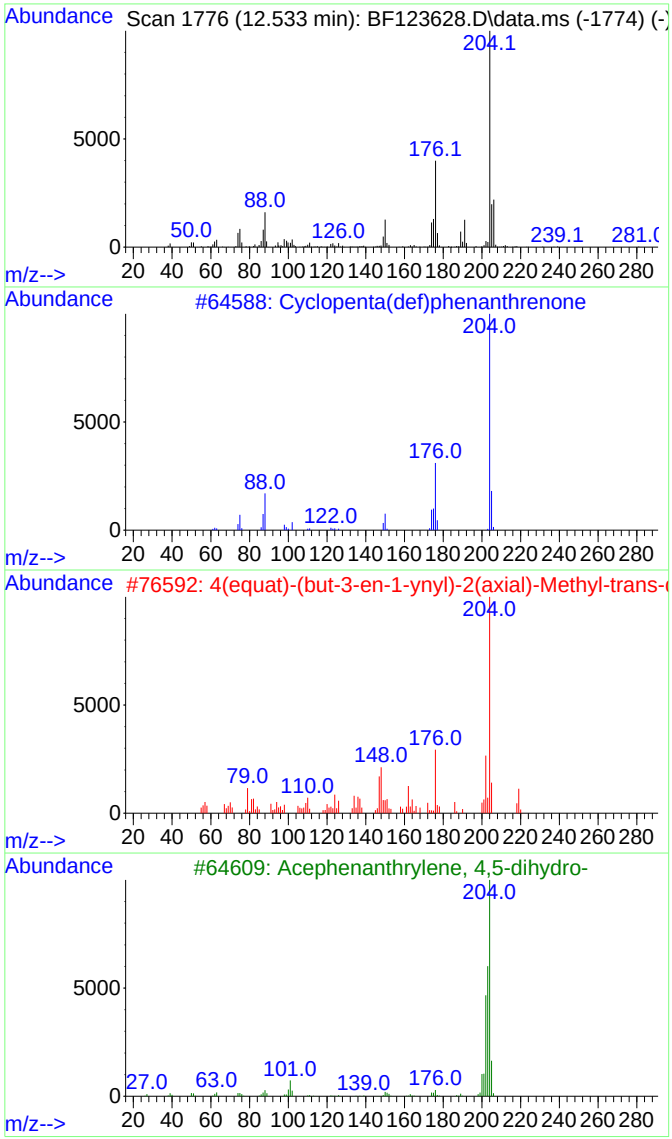
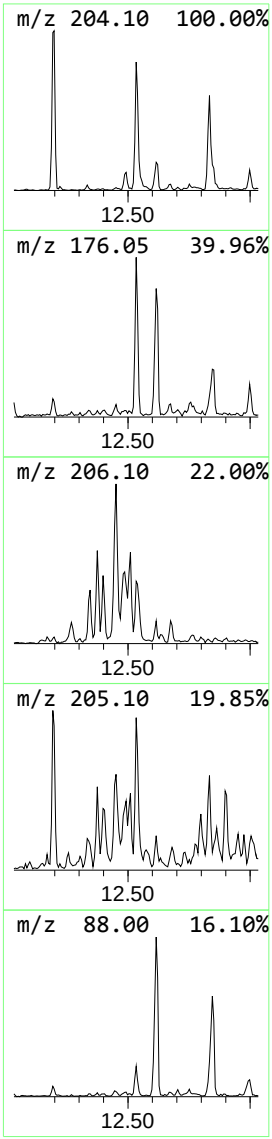
****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	6.53 ng	704408	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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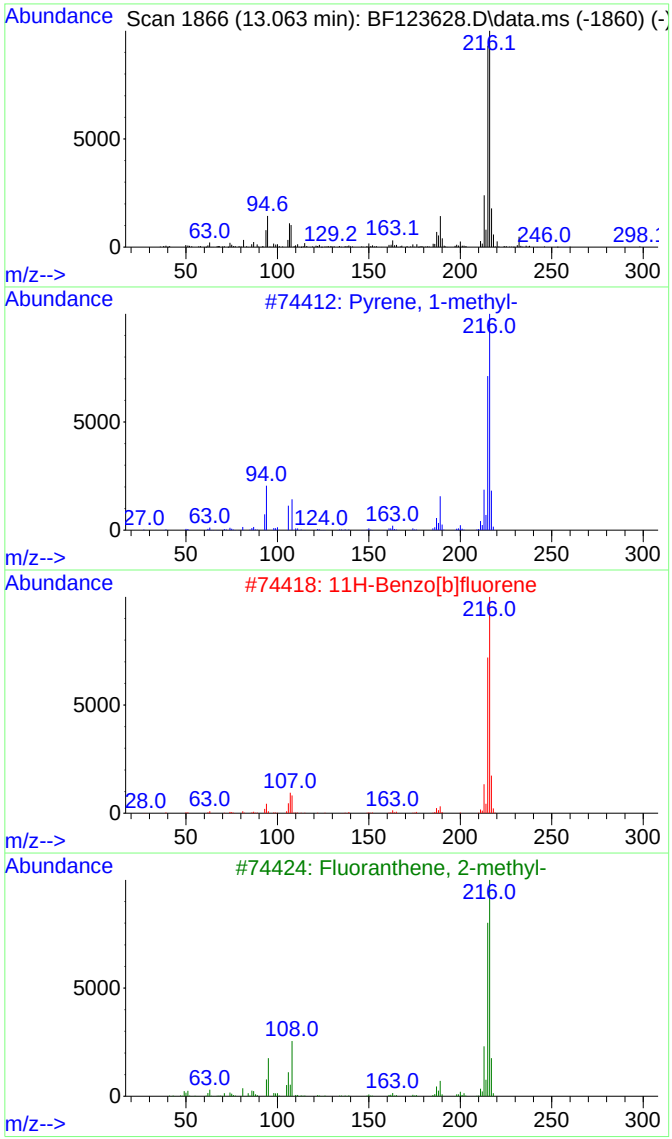
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

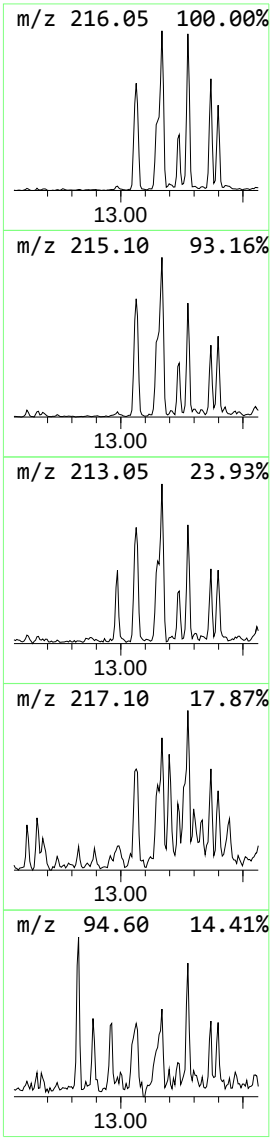
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	3.79 ng	884606	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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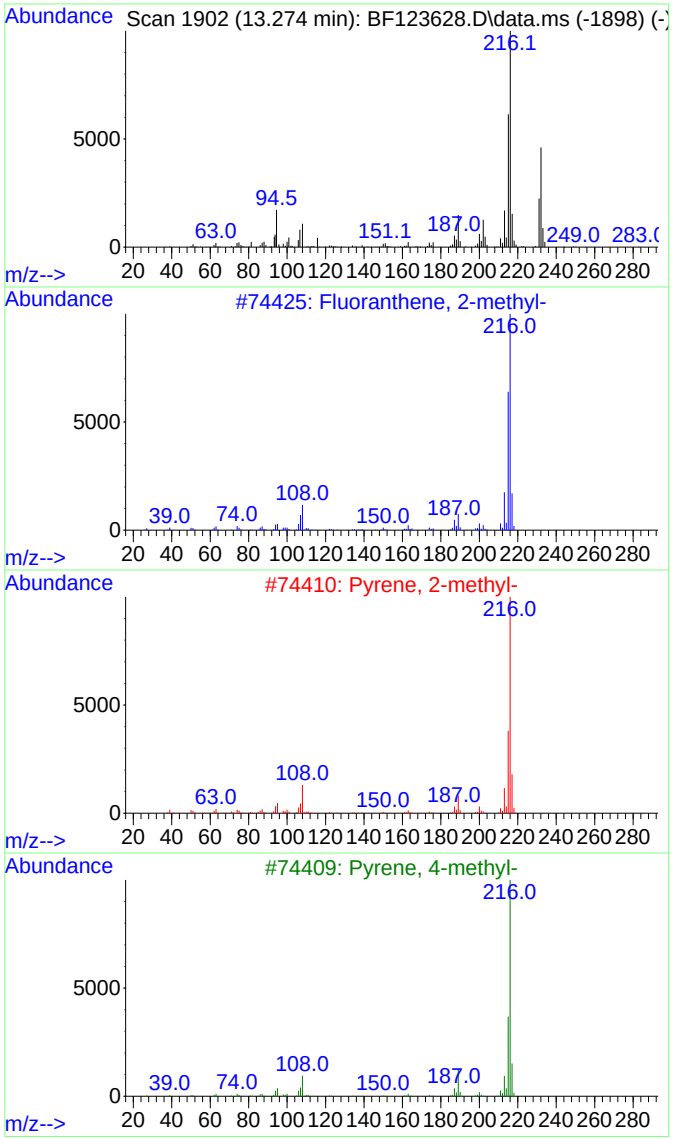
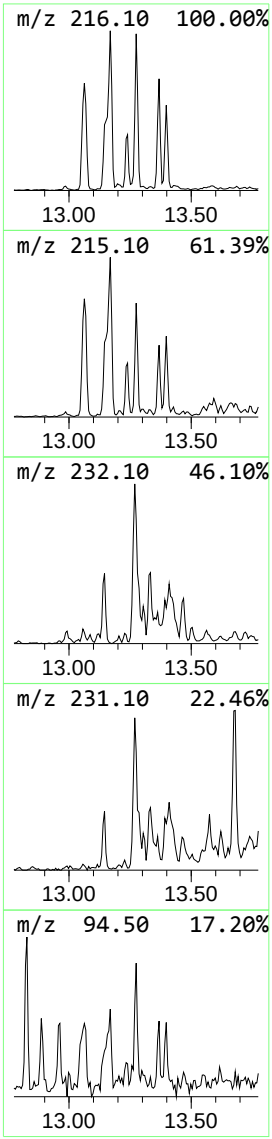
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.274	3.61 ng	841891	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60





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Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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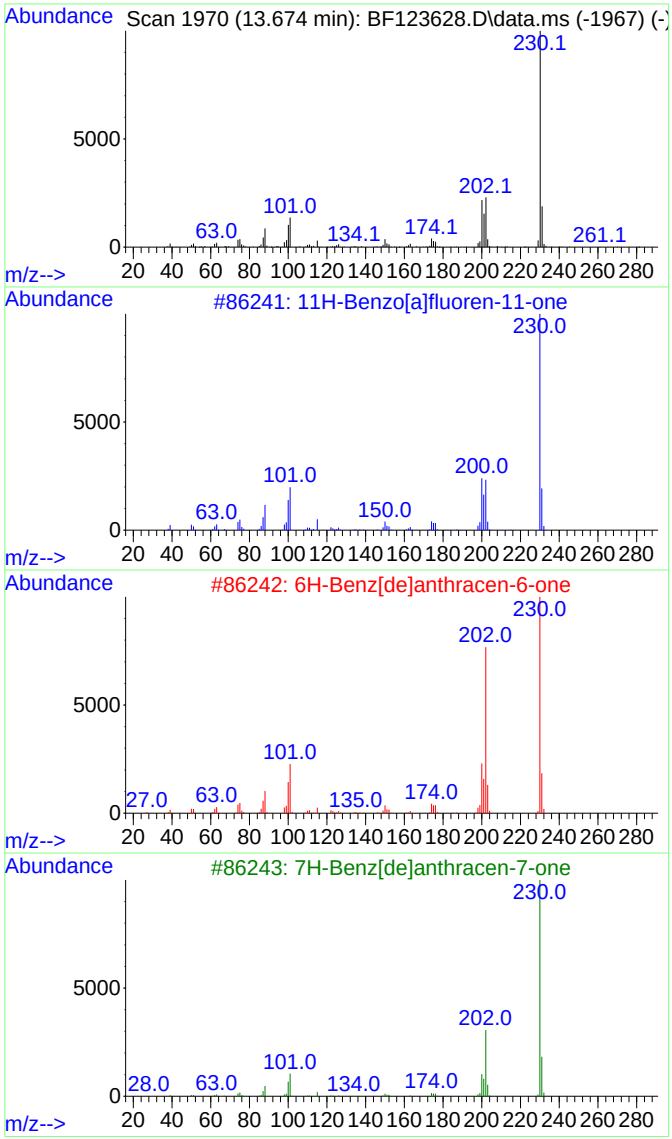
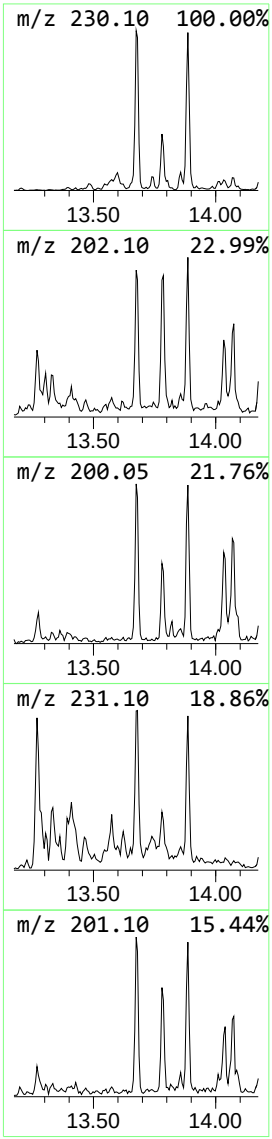
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.674	3.63 ng	846546	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	99
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53





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Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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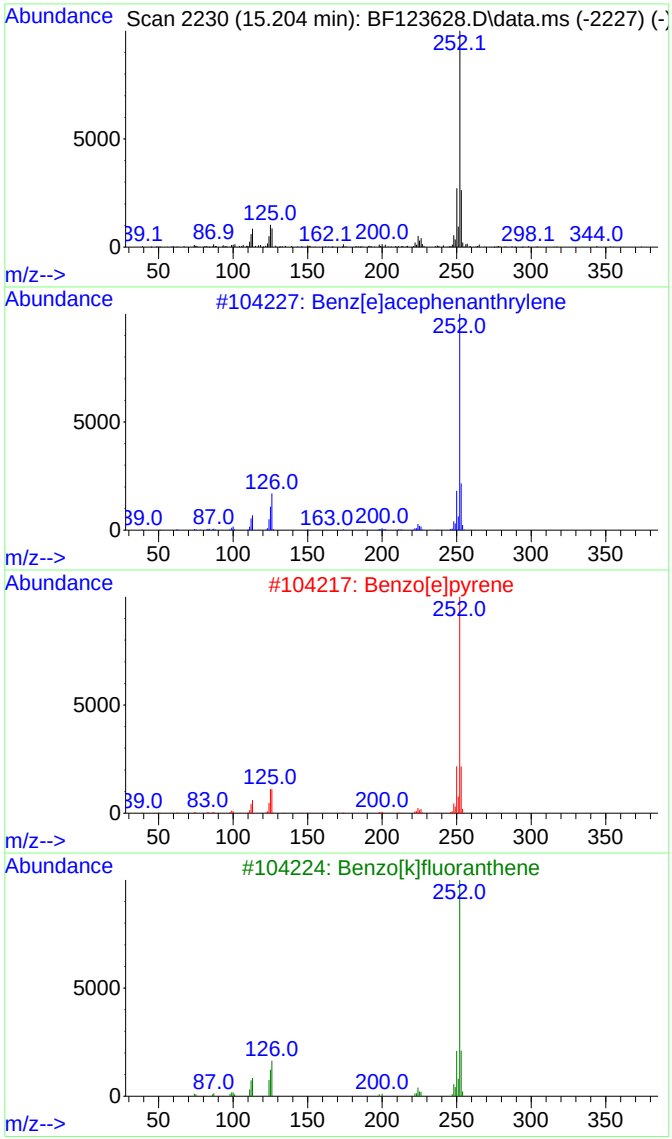
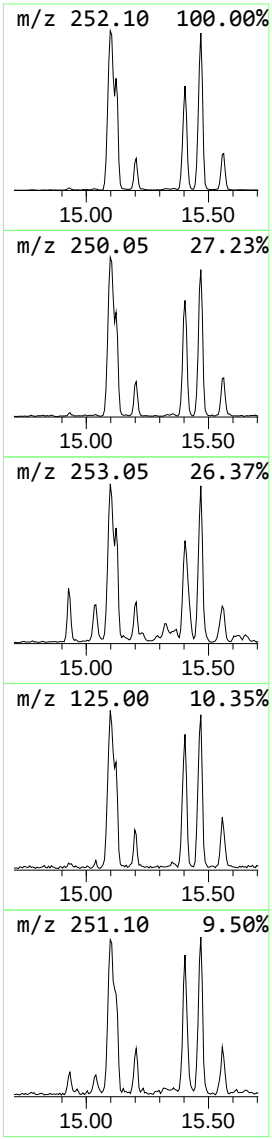
Peak Number 19 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	4.56 ng	341014	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Perylene	252	C20H12	000198-55-0	87
5	Benzo[a]pyrene	252	C20H12	000050-32-8	74





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Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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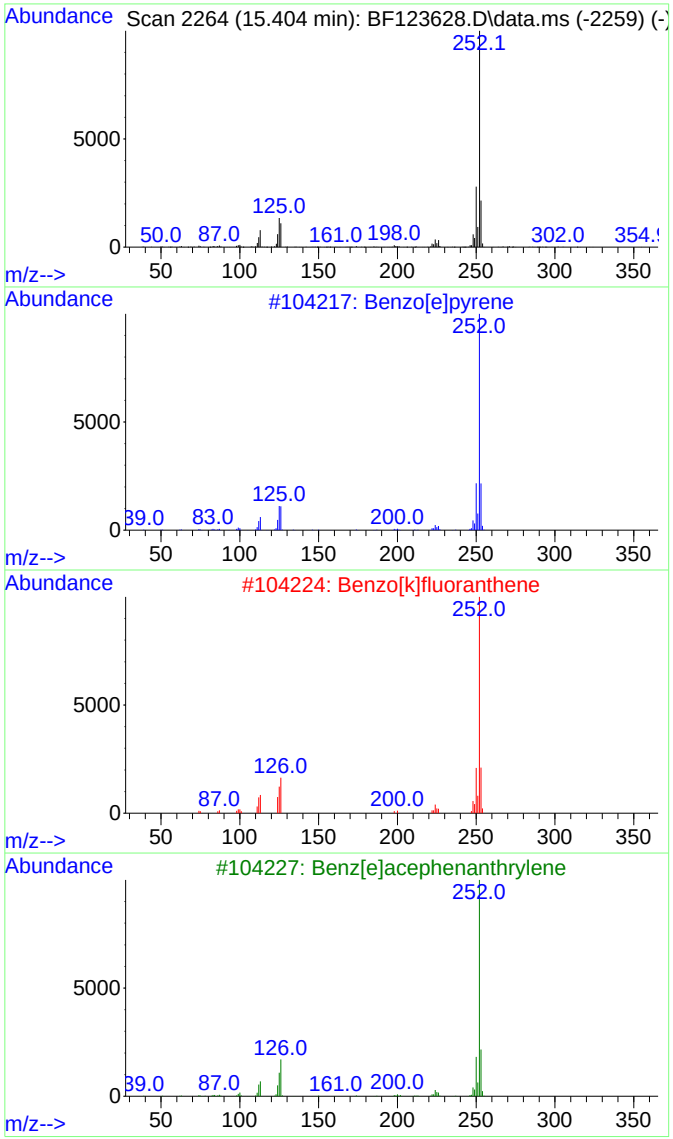
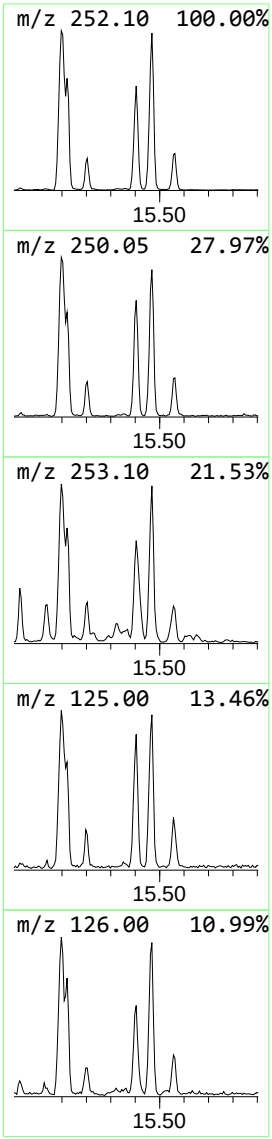
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.404	22.86 ng	1710850	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123628.D
Acq On : 19 Apr 2021 18:14
Operator : JU/CG
Sample : M2051-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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...	2.122	38.7	ng	2969210	1	6.863	1535770	20.0
unknown9.345	9.345	4.4	ng	430244	3	9.904	1972140	20.0
Naphthalene, 2,...	9.563	4.0	ng	390242	3	9.904	1972140	20.0
Dibenzofuran, 4...	10.610	3.7	ng	368790	3	9.904	1972140	20.0
9H-Fluoren-9-one	11.198	8.1	ng	871972	4	11.398	2157960	20.0
8-Dimethylamino...	11.245	3.9	ng	416679	4	11.398	2157960	20.0
Dibenzothiophene	11.292	4.9	ng	526892	4	11.398	2157960	20.0
Phenanthrene, 2...	11.898	9.3	ng	1004710	4	11.398	2157960	20.0
Phenanthrene, 1...	11.927	14.2	ng	1533900	4	11.398	2157960	20.0
4H-Cyclopenta[d...	12.010	10.8	ng	1166790	4	11.398	2157960	20.0
Anthracene, 1-m...	12.033	5.5	ng	588762	4	11.398	2157960	20.0
Naphthalene, 2-...	12.192	6.3	ng	681779	4	11.398	2157960	20.0
9,10-Anthracene...	12.216	10.6	ng	1147730	4	11.398	2157960	20.0
Phenanthrene, 2...	12.451	6.5	ng	706244	4	11.398	2157960	20.0
Cyclopenta(def)...	12.533	6.5	ng	704408	4	11.398	2157960	20.0
Pyrene, 1-methyl-	13.063	3.8	ng	884606	5	14.045	4662620	20.0
Fluoranthene, 2...	13.274	3.6	ng	841891	5	14.045	4662620	20.0
11H-Benzo[a]flu...	13.674	3.6	ng	846546	5	14.045	4662620	20.0
Benzo[e]pyrene	15.204	4.6	ng	341014	6	15.533	1497060	20.0
Perylene	15.404	22.9	ng	1710850	6	15.533	1497060	20.0