LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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: BF124192.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.110	3	4	9	rVB	302363	280886	16.34%	1.170%
2	5.492	575	579	592	rVB	785670	709381	41.27%	2.955%
3	6.504	747	751	760	rBV	686674	689815	40.14%	2.874%
4	6.863	808	812	815	rBV	260520	209045	12.16%	0.871%
5	7.422	903	907	910	rBV	539273	481686	28.03%	2.007%
6	8.145	1026	1030	1032	rBV	279081	224927	13.09%	0.937%
7	9.222	1208	1213	1216	rBV	974643	857323	49.88%	3.572%
8	9.622	1277	1281	1284	rBV3	32711	39119	2.28%	0.163%
9	9.757	1301	1304	1308	rBV	125229	113080	6.58%	0.471%
10	9.898	1320	1328	1331	rBV	312727	249928	14.54%	1.041%
11	10.445	1418	1421	1425	rBV	65424	58044	3.38%	0.242%
12	10.686	1458	1462	1466	rBV	543681	520935	30.31%	2.170%
13	10.816	1479	1484	1487	rBV4	41186	60654	3.53%	0.253%
14	10.998	1510	1515	1517	rBV4	32882	42917	2.50%	0.179%
15	11.145	1538	1540	1545	rVV2	38844	42747	2.49%	0.178%
16	11.192	1545	1548	1550	rVV	43515	39617	2.31%	0.165%
17	11.251	1552	1558	1560	rVV4	28988	45762	2.66%	0.191%
18	11.280	1560	1563	1568	rVB	54985	57042	3.32%	0.238%
19	11.386	1577	1581	1583	rBV	262871	233269	13.57%	0.972%
20	11.416	1583	1586	1589	rVV	656867	576161	33.52%	2.400%
21	11.463	1589	1594	1597	rVB	235335	190371	11.08%	0.793%
22	11.622	1617	1621	1624	rBV	68301	84615	4.92%	0.353%
23	11.680	1628	1631	1634	rVV2	50737	50428	2.93%	0.210%
24	11.716	1635	1637	1643	rVB5	32498	44734	2.60%	0.186%
25	11.892	1663	1667	1669	rVV	125989	124567	7.25%	0.519%
26	11.916	1669	1671	1674	rVV	180957	162622	9.46%	0.677%
27	11.963	1674	1679	1682	rVV2	88043	99311	5.78%	0.414%
28	12.004	1682	1686	1688	rVV2	234558	265995	15.48%	1.108%
29	12.021	1688	1689	1693	rVV	104258	84681	4.93%	0.353%
30	12.074	1695	1698	1701	rVV4	21550	38830	2.26%	0.162%
31	12.186	1714	1717	1719	rBV	97874	82490	4.80%	0.344%
32	12.210	1719	1721	1725	rVB	110806	96527	5.62%	0.402%
33	12.333	1737	1742	1745	rBV4	54949	73816	4.29%	0.308%
34	12.369	1745	1748	1749	rVV	56430	44514	2.59%	0.185%
35	12.439	1754	1760	1763	rBV	143584	174005	10.12%	0.725%
36	12.480	1763	1767	1769	rVV3	85351	111428	6.48%	0.464%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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	12.527	1772	1775	1780	rBV2	146886	167231	9.73%	0.697%
38	12.610	1784	1789	1792	rBV	1567164	1417947	82.50%	5.907%
39	12.645	1792	1795	1797	rBV3	39001	38278	2.23%	0.159%
40	12.698	1801	1804	1807	rVB	160834	125682	7.31%	0.524%
41	12.739	1807	1811	1812	rBV4	40952	54640	3.18%	0.228%
42	12.774	1815	1817	1821	rVB	64682	72244	4.20%	0.301%
43	12.845	1821	1829	1833	rBV	1486221	1718677	100.00%	7.160%
44	12.880	1833	1835	1840	rVB3	76702	101141	5.88%	0.421%
45	12.951	1840	1847	1848	rBV2	112339	119465	6.95%	0.498%
46	12.974	1848	1851	1854	rVB	955990	738386	42.96%	3.076%
47	13.051	1859	1864	1869	rBV3	154453	254456	14.81%	1.060%
48	13.139	1876	1879	1881	rBV3	155858	209269	12.18%	0.872%
49	13.163	1881	1883	1886	rVB	271747	237371	13.81%	0.989%
50	13.227	1891	1894	1897	rBV	167630	130593	7.60%	0.544%
51	13.268	1897	1901	1903	rBV2	238636	224902	13.09%	0.937%
52	13.327	1908	1911	1914	rBV5	51925	71396	4.15%	0.297%
53	13.363	1914	1917	1919	rVV	158095	149575	8.70%	0.623%
54	13.392	1919	1922	1925	rVV	162839	154576	8.99%	0.644%
55	13.451	1929	1932	1934	rBV3	36241	38431	2.24%	0.160%
56	13.474	1934	1936	1940	rVB5	40611	40906	2.38%	0.170%
57	13.545	1944	1948	1950	rBV5	37171	55484	3.23%	0.231%
58	13.645	1962	1965	1967	rBV4	35969	48934	2.85%	0.204%
59	13.674	1967	1970	1974	rVV	200277	193916	11.28%	0.808%
60	13.780	1984	1988	1991	rVV2	197142	241354	14.04%	1.005%
61	13.810	1991	1993	1995	rVV	194653	170050	9.89%	0.708%
62	13.833	1995	1997	2003	rVV3	146111	246404	14.34%	1.027%
63	13.880	2003	2005	2009	rVB	194598	181570	10.56%	0.756%
64	13.957	2015	2018	2024	rVB	47761	79121	4.60%	0.330%
65	14.033	2024	2031	2034	rBV2	1157694	1619084	94.21%	6.745%
66	14.068	2034	2037	2043	rVB	1029182	911343	53.03%	3.797%
67	14.121	2043	2046	2048	rBV3	44709	38147	2.22%	0.159%
68	14.145	2048	2050	2052	rBV	70827	58702	3.42%	0.245%
69	14.180	2053	2056	2060	rBV2	145779	150696	8.77%	0.628%
70	14.268	2066	2071	2073	rBV3	59563	91569	5.33%	0.381%
71	14.292	2073	2075	2078	rVB4	44889	44863	2.61%	0.187%
72	14.386	2088	2091	2093	rVV	81058	80905	4.71%	0.337%
73	14.421	2093	2097	2100	rVV	274972	318733	18.55%	1.328%
74	14.457	2100	2103	2107	rVV	172935	200086	11.64%	0.834%
75	14.498	2107	2110	2112	rVV3	111785	157088	9.14%	0.654%
76	14.545	2116	2118	2120	rVV2	161371	160393	9.33%	0.668%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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	14.568	2120	2122	2125	rVV2	153352	152694	8.88%	0.636%
78	14.615	2128	2130	2137	rVV2	86075	99828	5.81%	0.416%
79	14.815	2161	2164	2167	rBV4	45634	61844	3.60%	0.258%
80	14.851	2168	2170	2173	rVB4	52574	45646	2.66%	0.190%
81	14.921	2179	2182	2185	rVB3	58127	75538	4.40%	0.315%
82	14.992	2191	2194	2199	rVB7	38284	50580	2.94%	0.211%
83	15.098	2206	2212	2215	rBV	687857	1207883	70.28%	5.032%
84	15.151	2218	2221	2226	rVB4	39603	63111	3.67%	0.263%
85	15.198	2226	2229	2233	rBV	162555	199786	11.62%	0.832%
86	15.404	2258	2264	2269	rVB	407978	584416	34.00%	2.435%
87	15.468	2269	2275	2279	rBV	682902	856700	49.85%	3.569%
88	15.527	2280	2285	2288	rVV	184704	298000	17.34%	1.241%
89	15.557	2288	2290	2296	rVV2	177790	249322	14.51%	1.039%
90	15.739	2319	2321	2327	rVB7	45094	82246	4.79%	0.343%
91	15.886	2342	2346	2351	rVB6	46148	83577	4.86%	0.348%
92	15.974	2355	2361	2365	rBV8	58371	108725	6.33%	0.453%
93	16.092	2378	2381	2386	rVB4	47262	70996	4.13%	0.296%
94	17.021	2532	2539	2546	rVB2	248758	494856	28.79%	2.062%
95	17.092	2548	2551	2558	rVB3	38907	59315	3.45%	0.247%
96	17.192	2562	2568	2573	rBV2	57871	121165	7.05%	0.505%
97	17.256	2573	2579	2583	rBV5	49754	102000	5.93%	0.425%
98	17.480	2608	2617	2625	rVB2	170160	392449	22.83%	1.635%
99	17.709	2652	2656	2665	rVB5	50585	94473	5.50%	0.394%
100	18.245	2742	2747	2754	rVB5	27376	73445	4.27%	0.306%

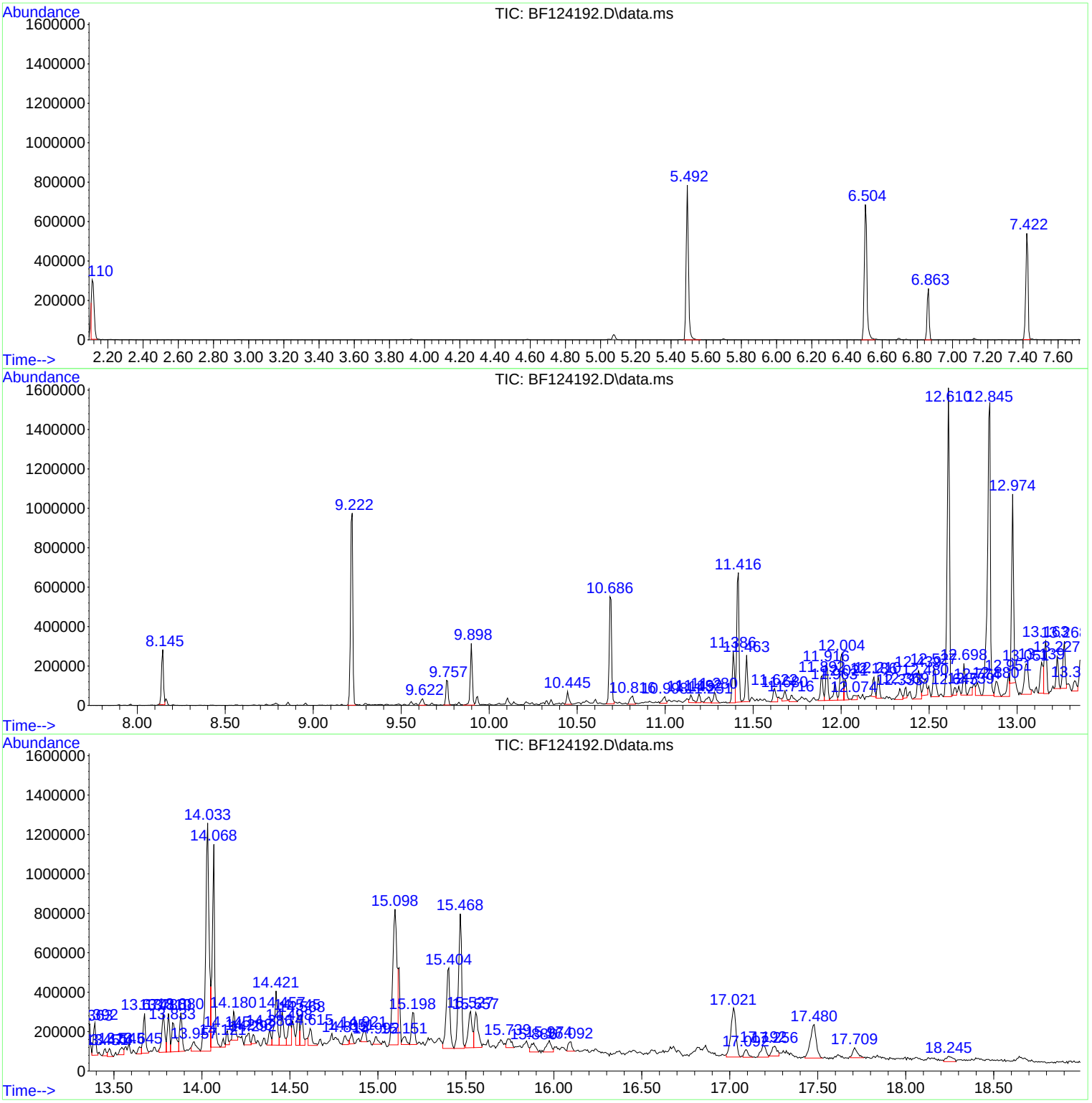
Sum of corrected areas: 24003475

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

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\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

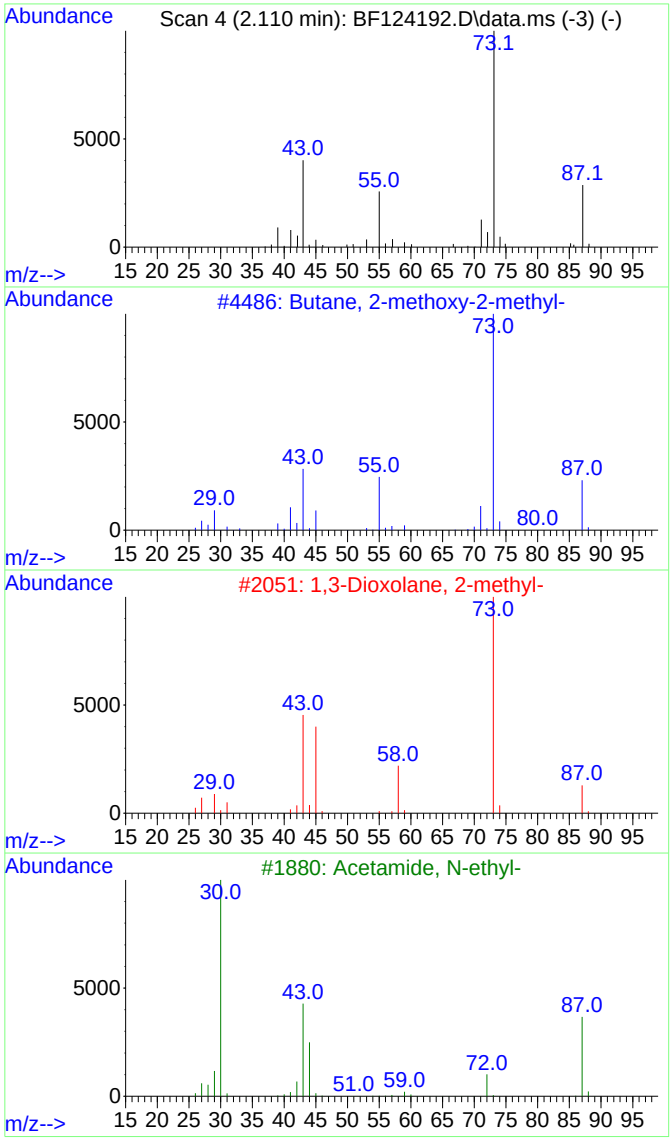
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

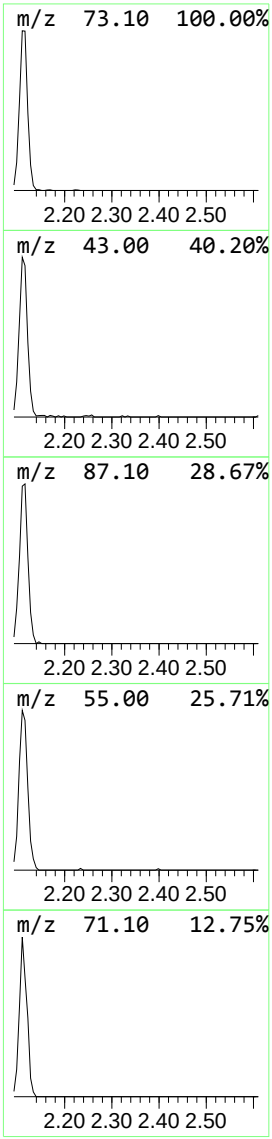
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.110	26.87 ng	280886	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	50
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	43
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
5	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

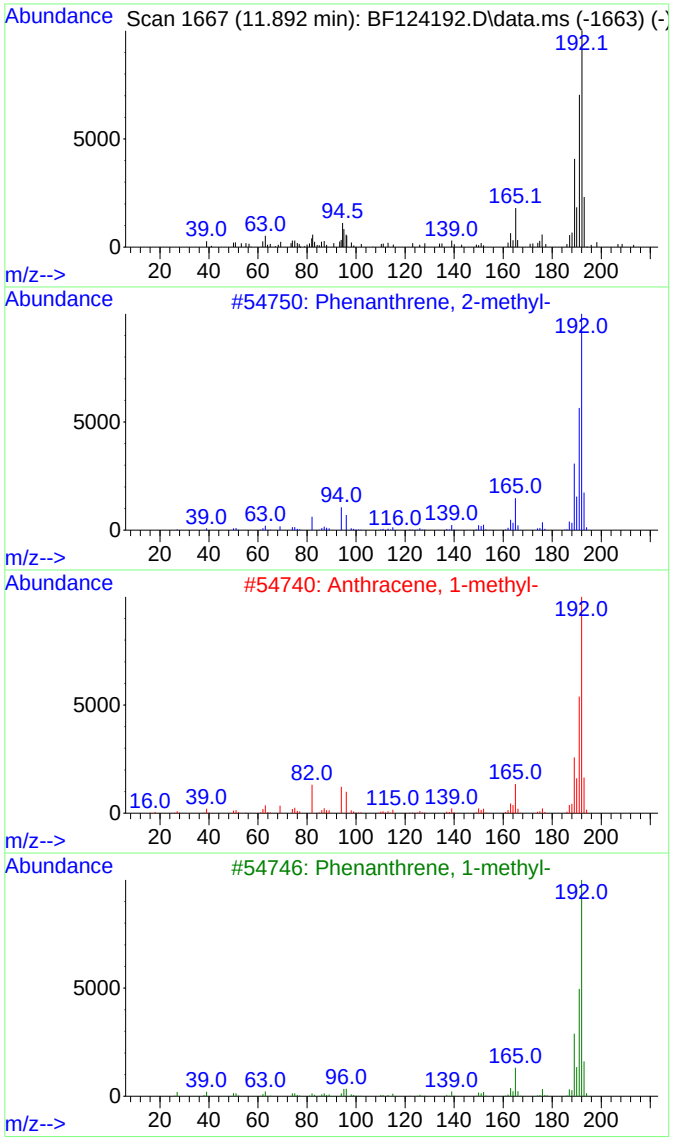
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

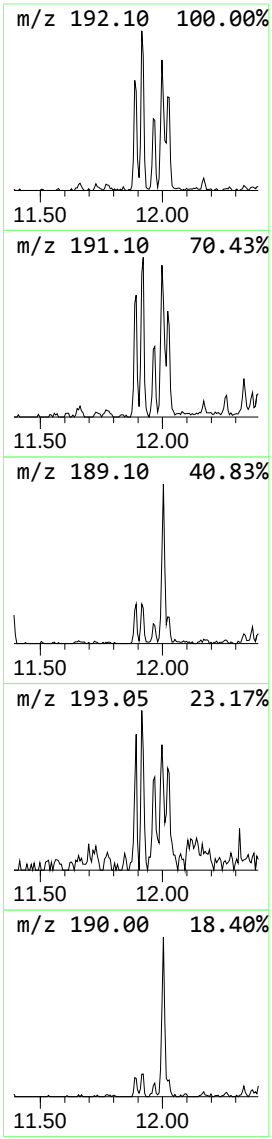
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	10.68 ng	124567	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	76
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

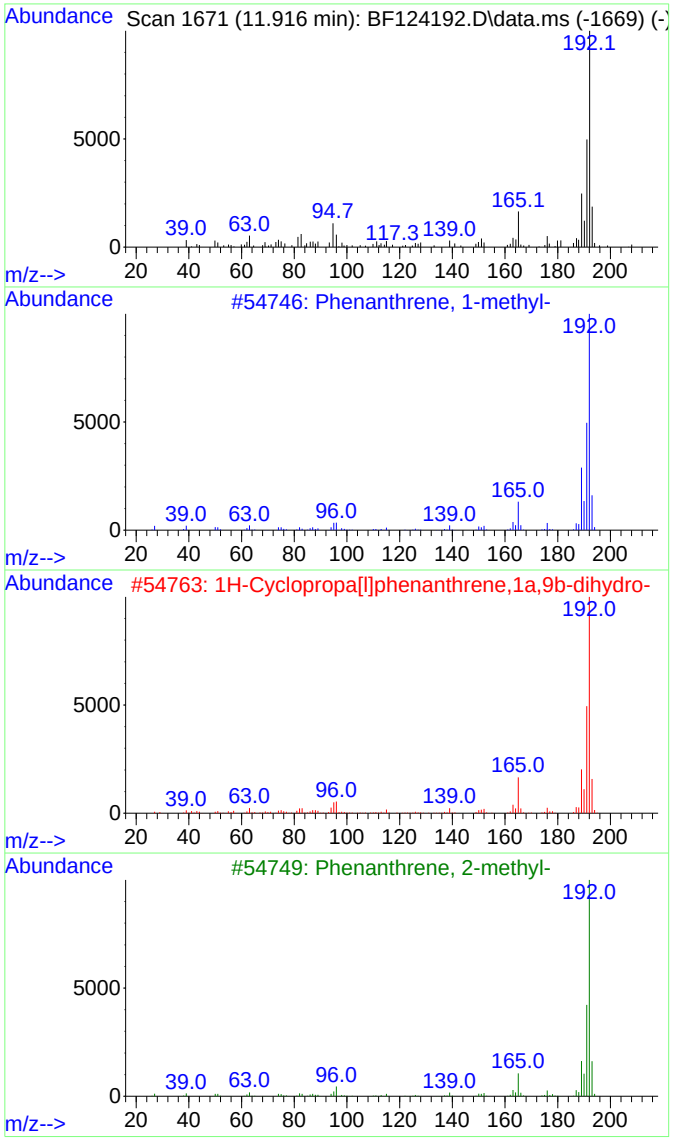
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

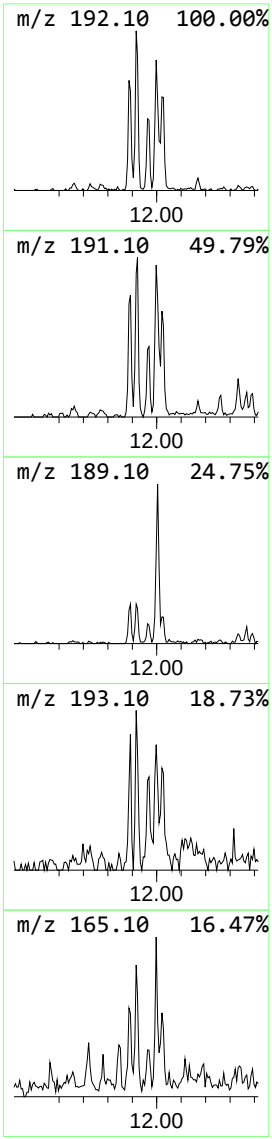
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	13.94 ng	162622	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

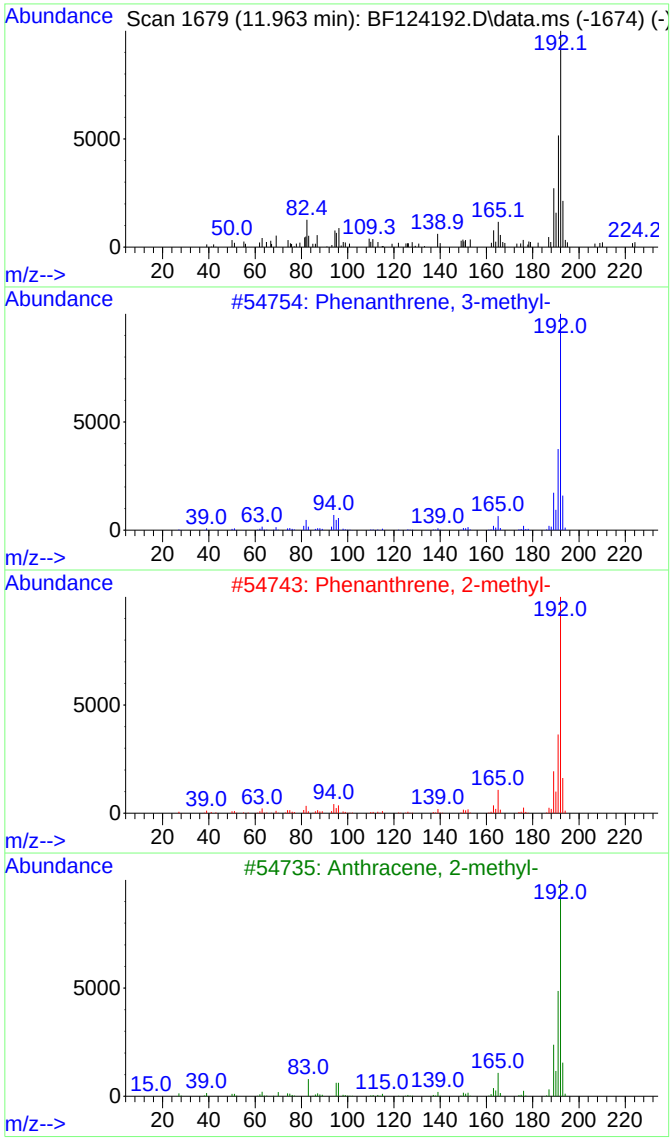
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

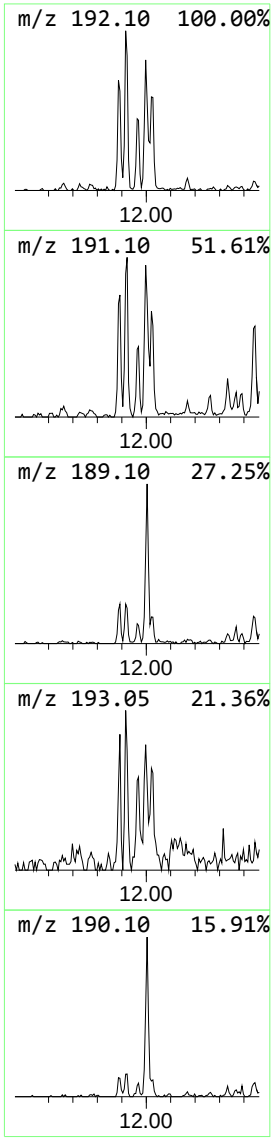
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	8.51 ng	99311	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

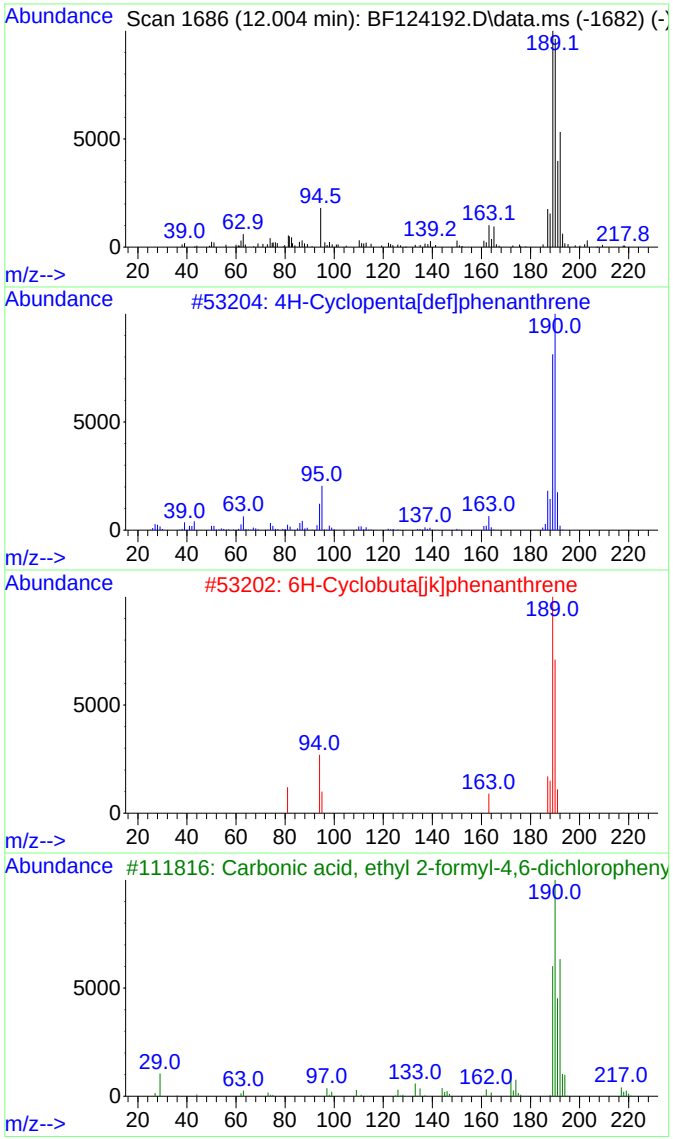
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

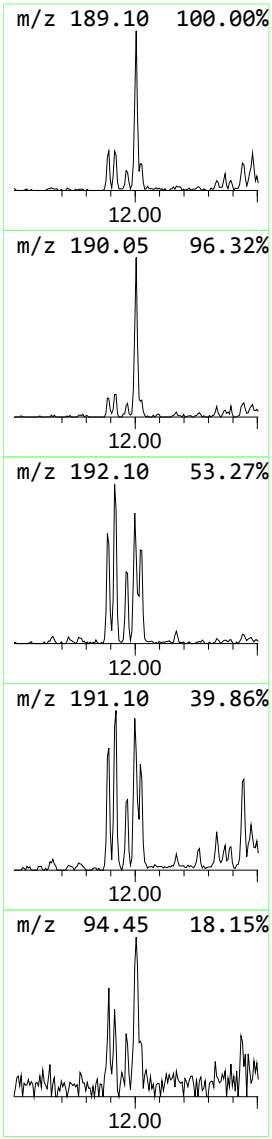
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	22.81 ng	265995	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

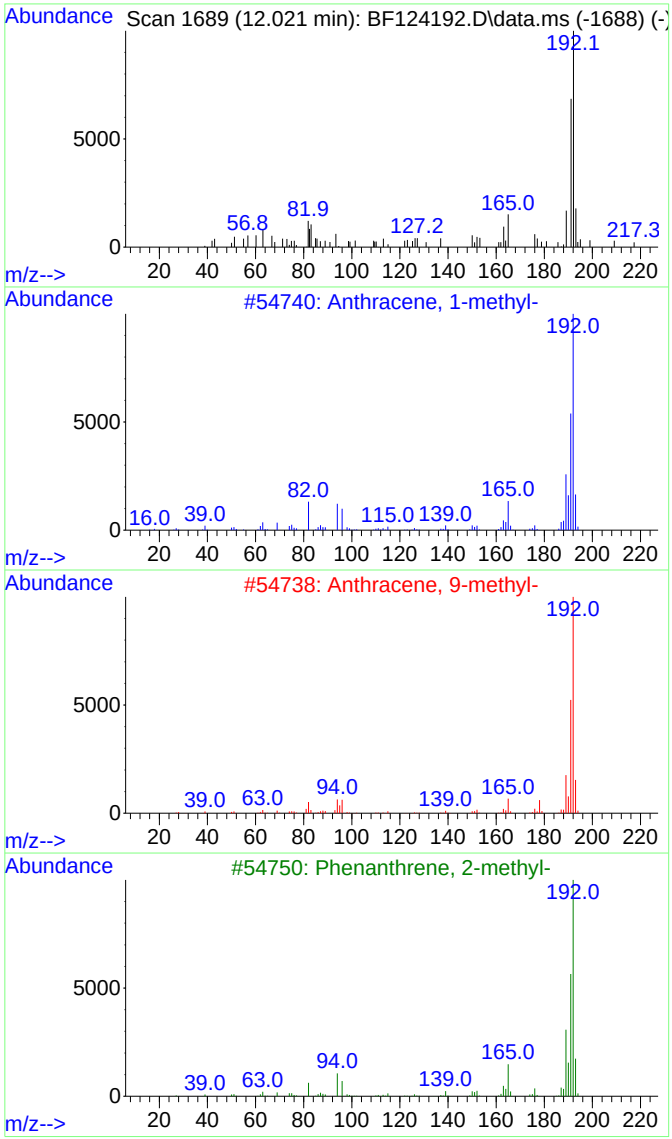
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

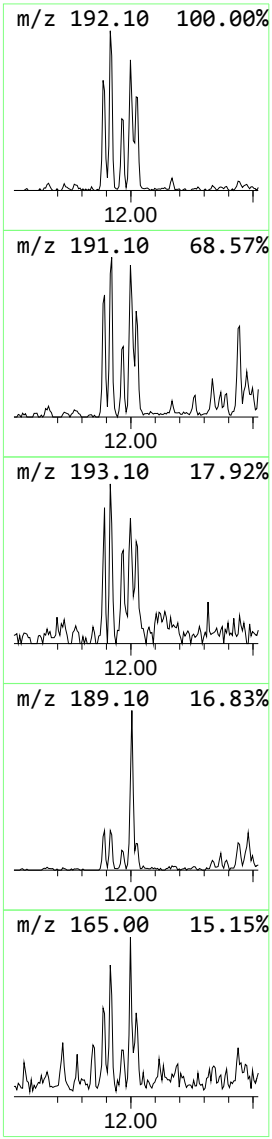
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	7.26 ng	84681	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	68
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	68
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

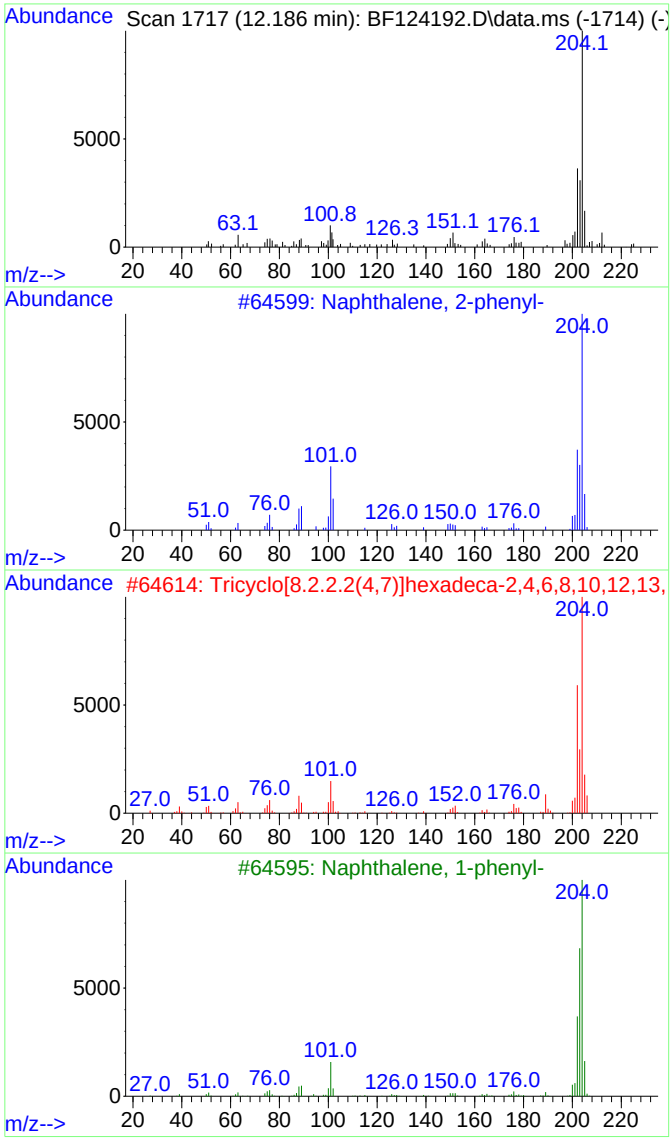
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

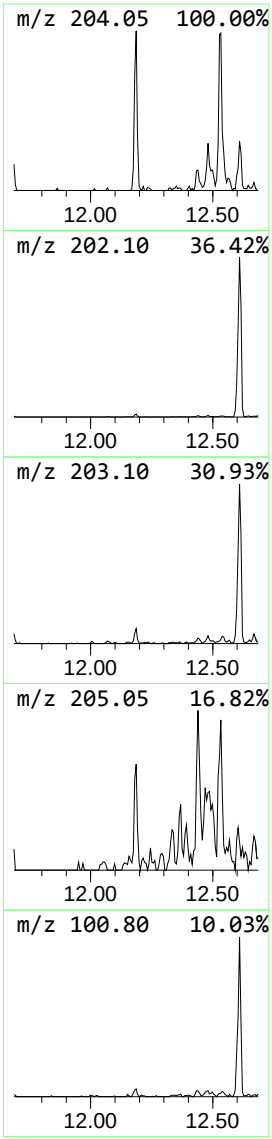
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	7.07 ng	82490	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

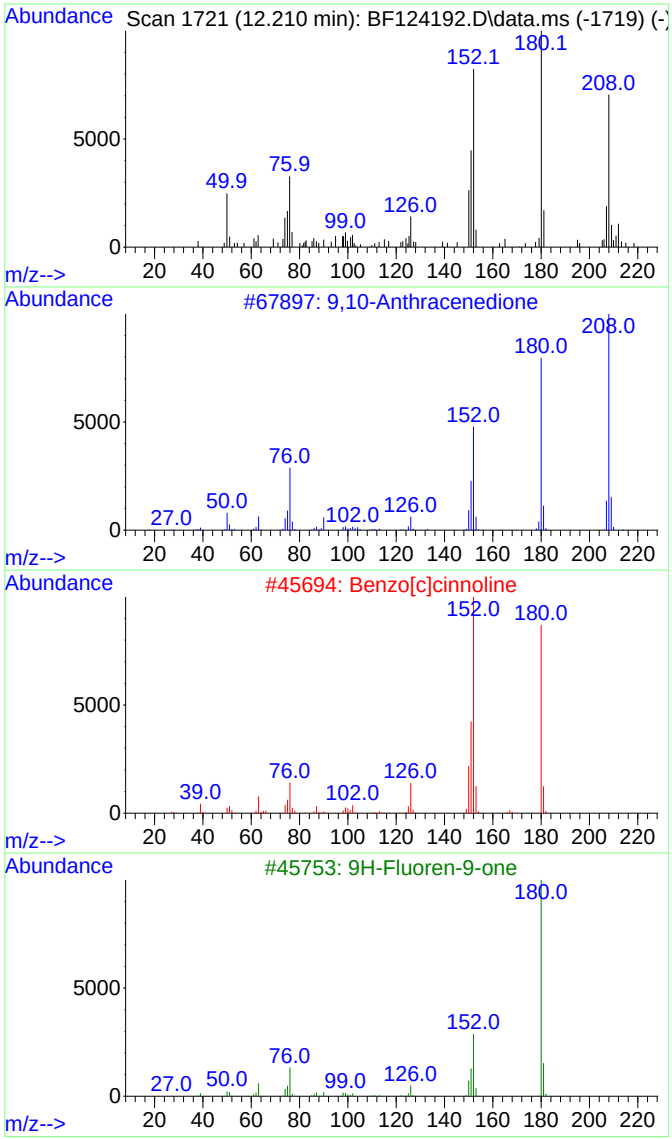
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

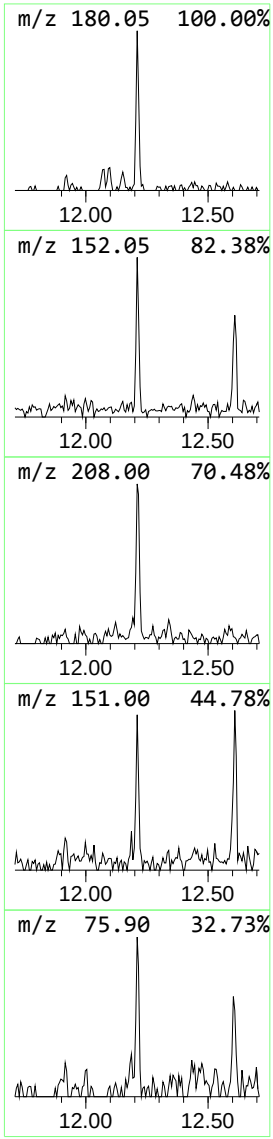
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	8.28 ng	96527	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	89
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	74
5	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

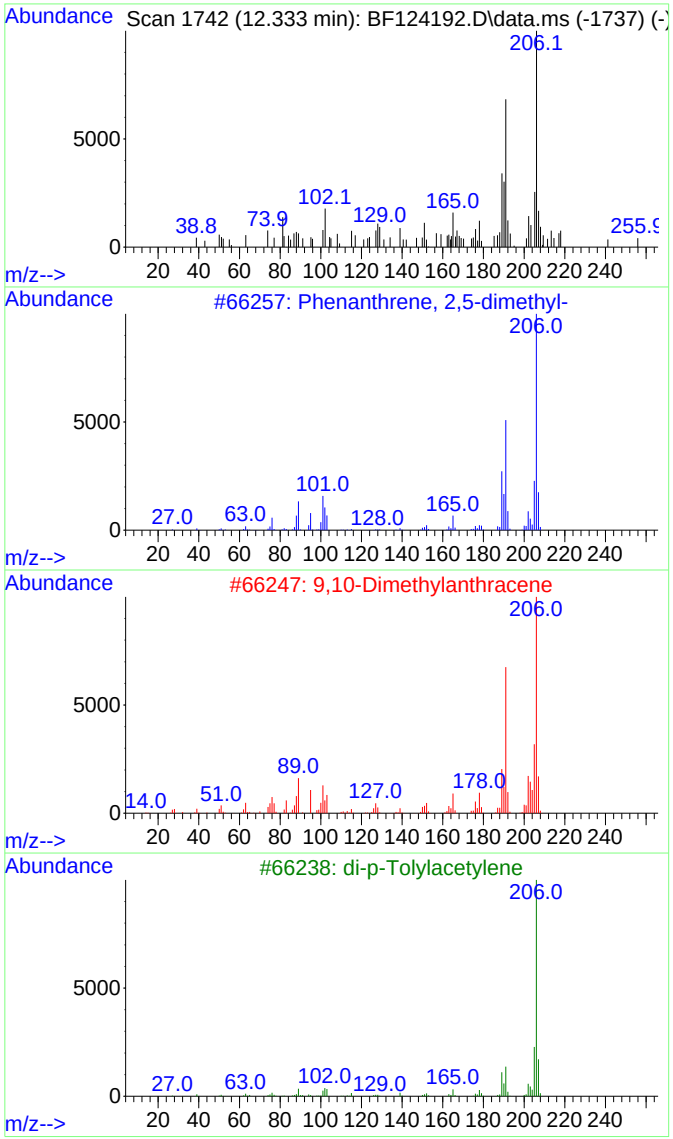
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

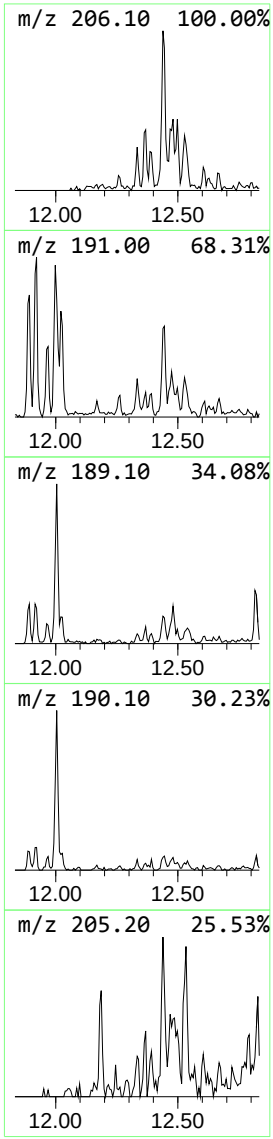
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	6.33 ng	73816	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

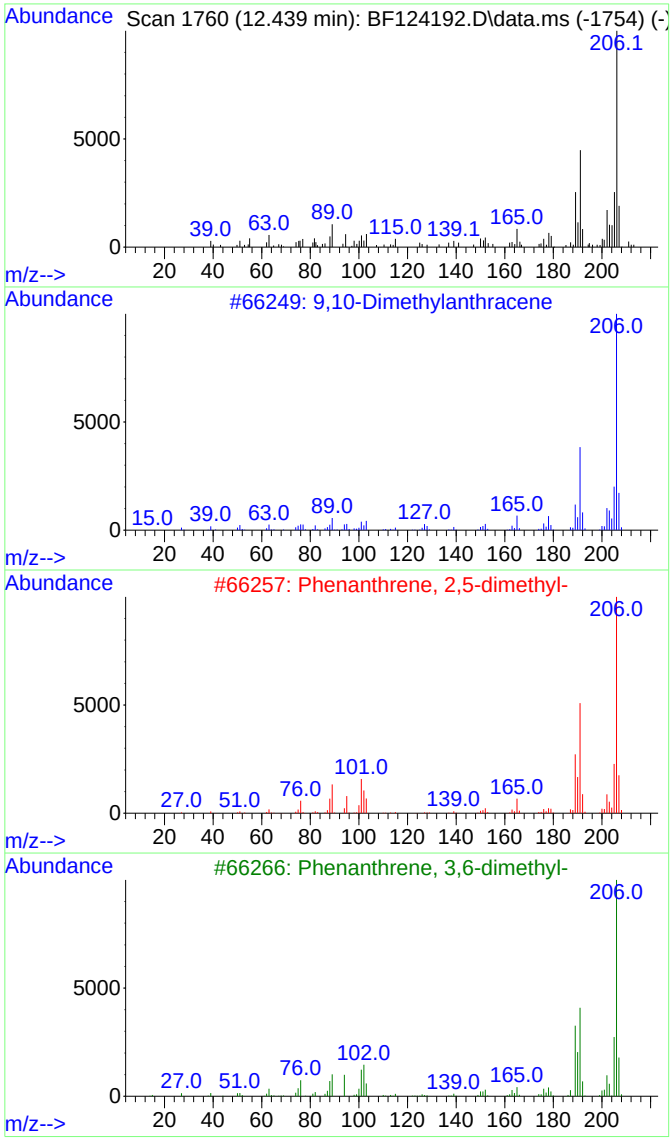
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

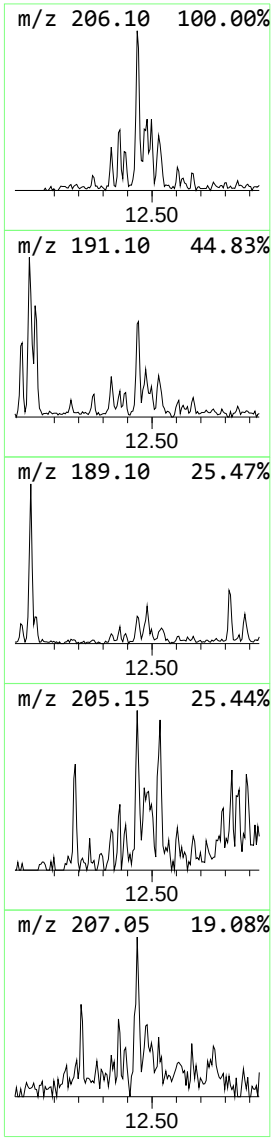
****

Peak Number 10 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.439	14.92 ng	174005	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

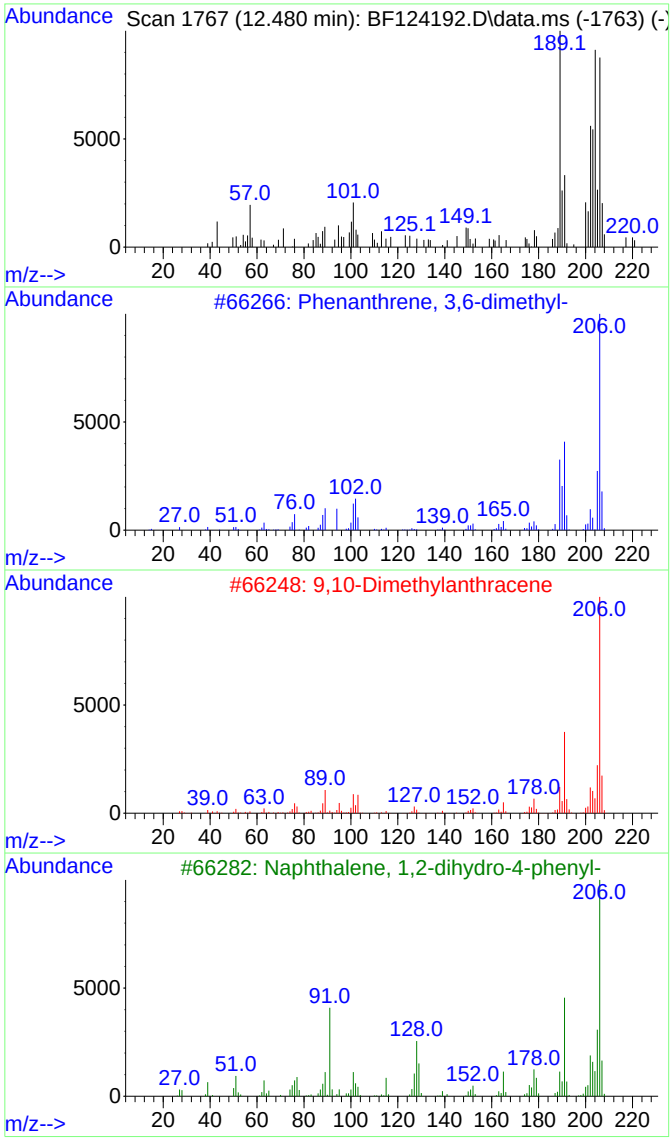
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

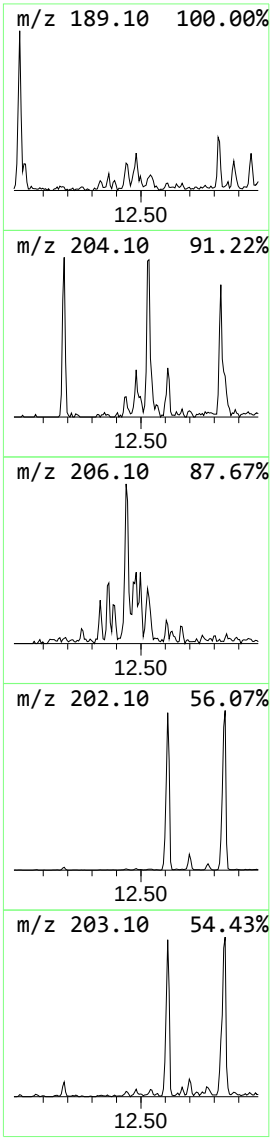
****

Peak Number 11 unknown12.480 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	9.55 ng	111428	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	25
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	25
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

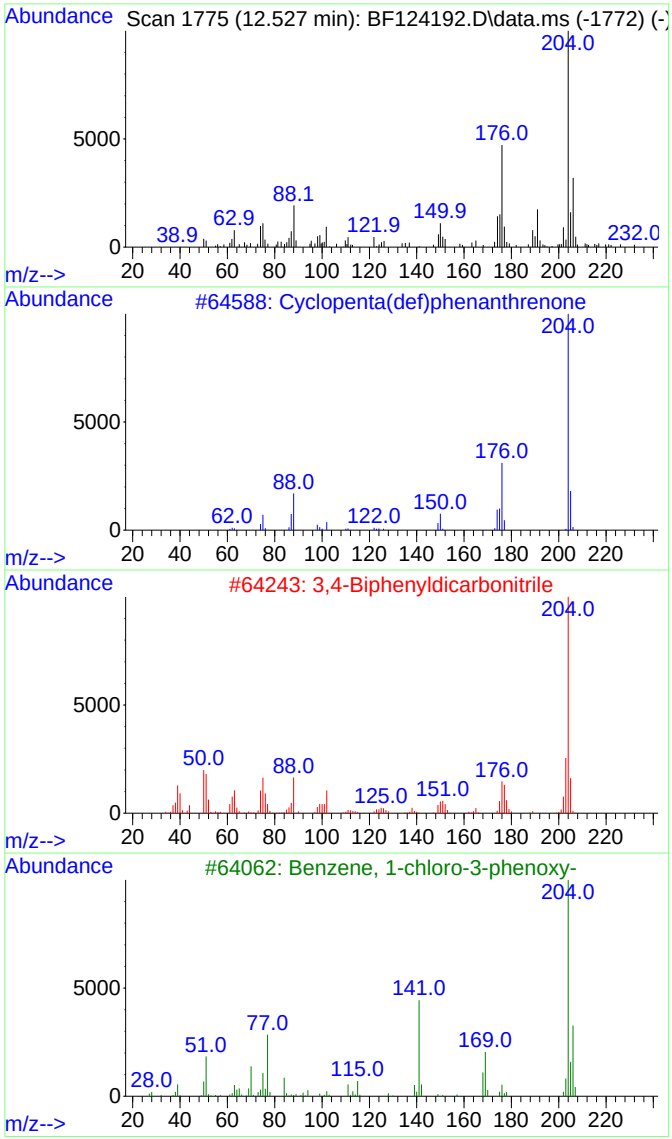
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

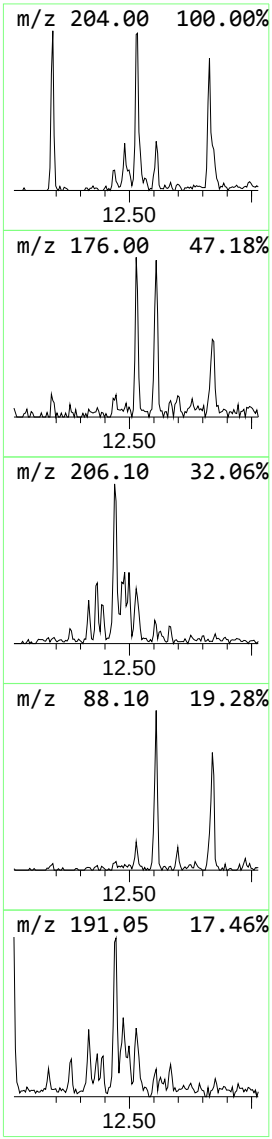
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	14.34 ng	167231	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
4	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43
5	4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

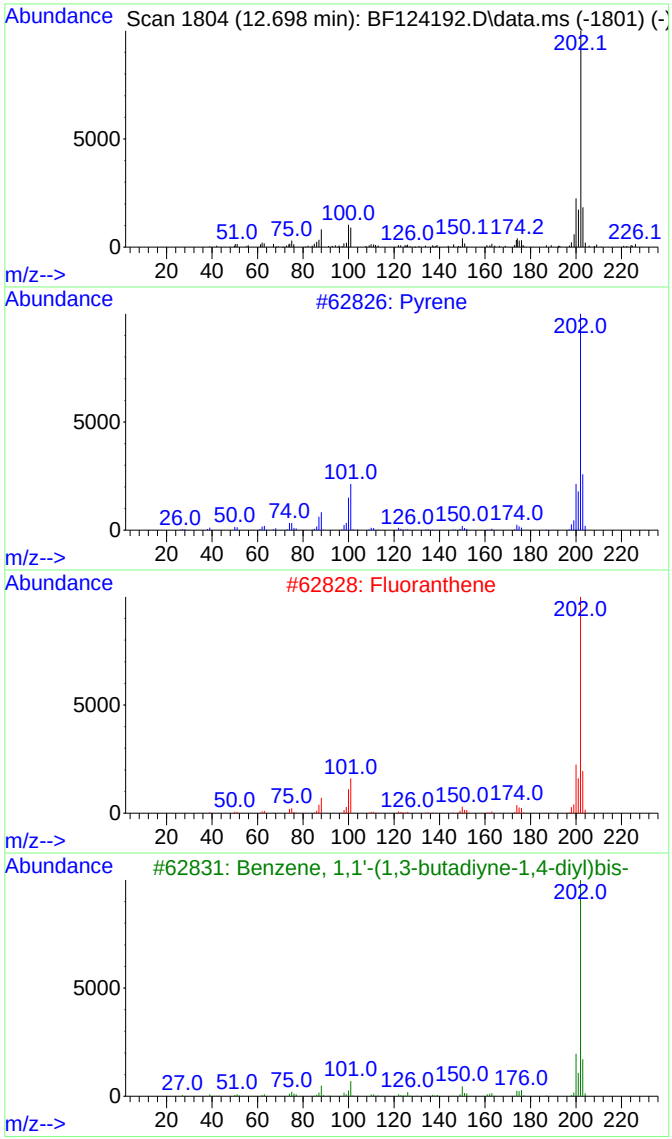
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

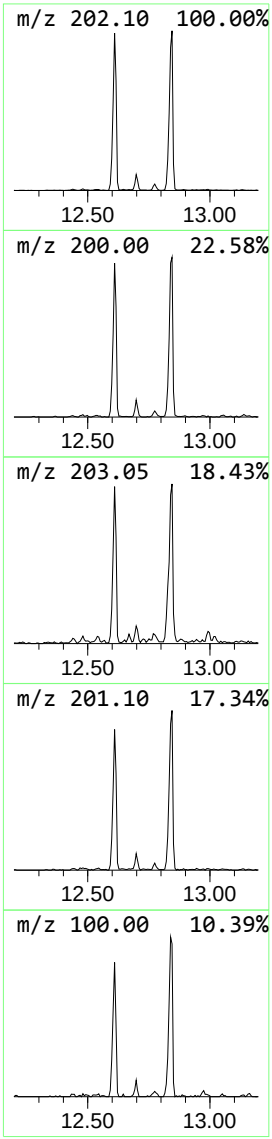
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.698	10.78 ng	125682	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	87
2	Fluoranthene	202	C16H10	000206-44-0	87
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	Benzaldehyde, 2,6-difuloro-3,4-d...	202	C9H8F2O3	152434-99-6	40
5	6-Amino-2,4-dimethyl-5,8-quinoli...	202	C11H10N2O2	052824-07-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

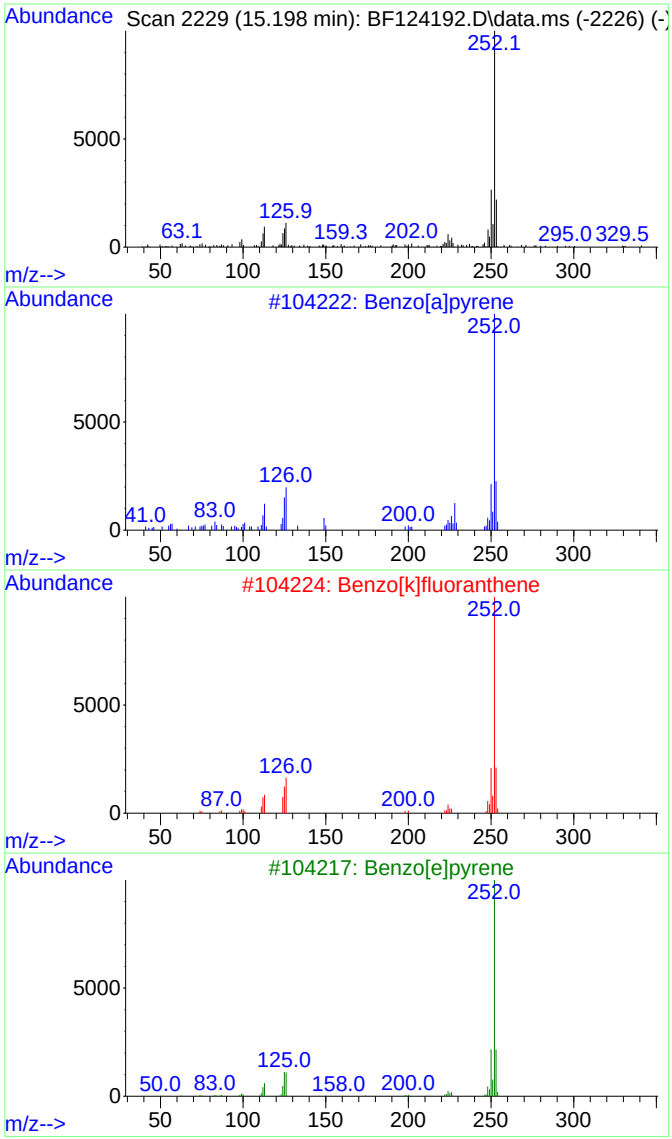
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

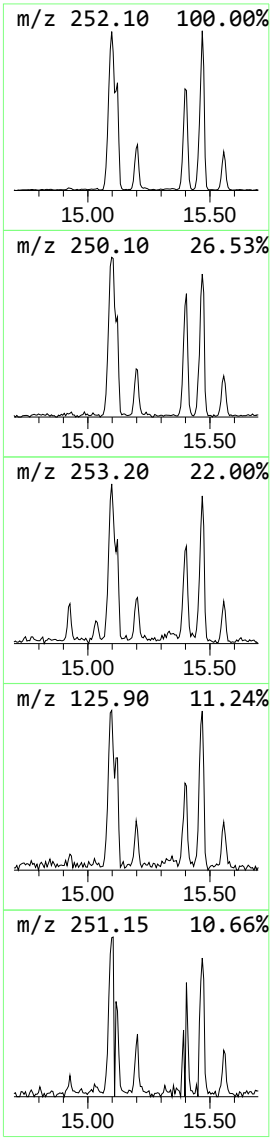
****

Peak Number 14 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	13.41 ng	199786	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[e]pyrene	252	C20H12	000192-97-2	87
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Perylene	252	C20H12	000198-55-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

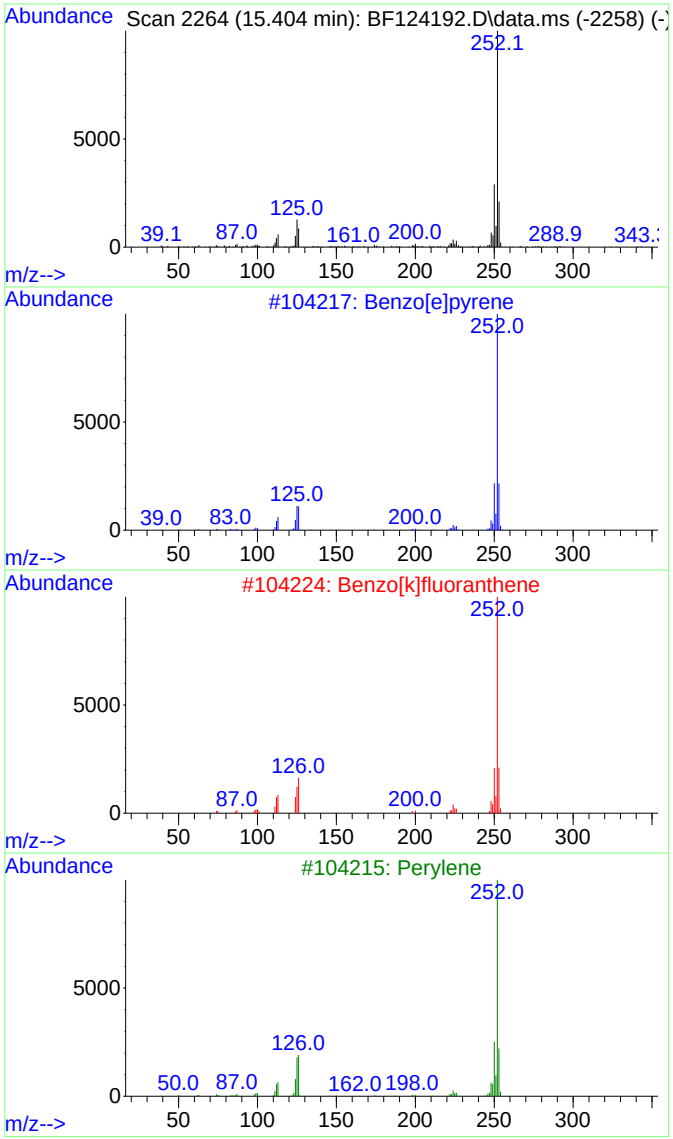
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

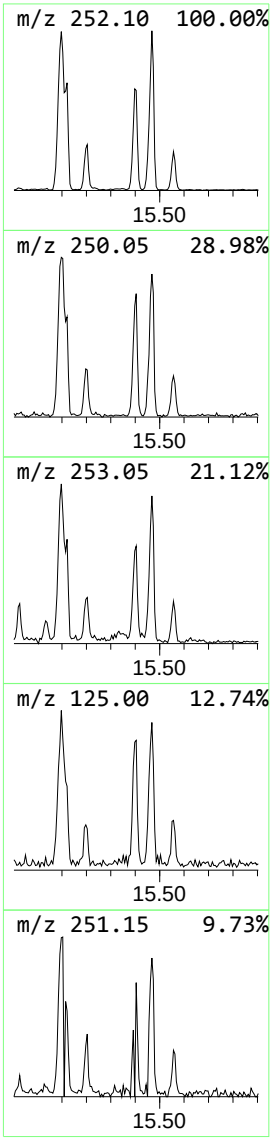
****

Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.404	39.22 ng	584416	Perylene-d12	15.527

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	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

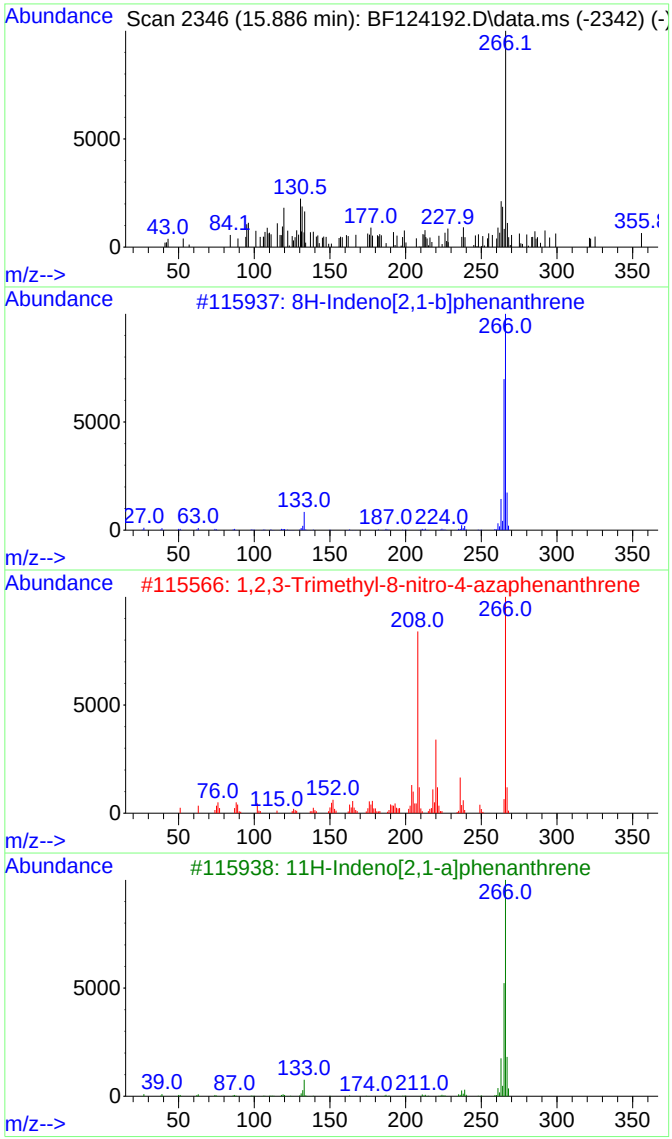
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

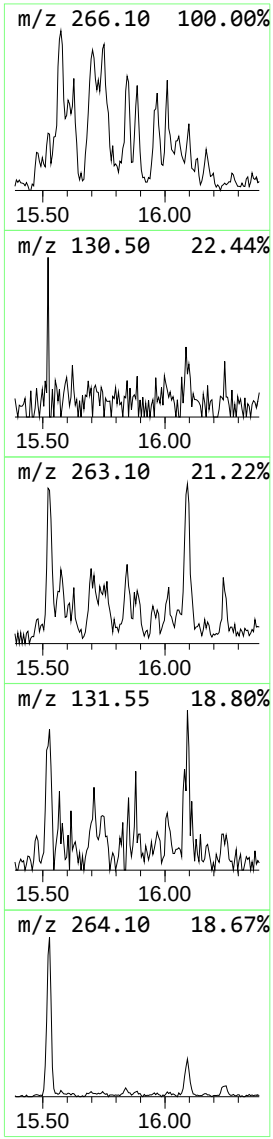
****

Peak Number 16 unknown15.886 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.886	5.61 ng	83577	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	43
2	1,2,3-Trimethyl-8-nitro-4-azaphe...	266	C16H14N2O2	1000298-83-1	38
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	38
4	9,10-Anthracenedione, 1,4-bis(am...	266	C16H14N2O2	077862-13-6	35
5	Equilenin	266	C18H18O2	000517-09-9	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

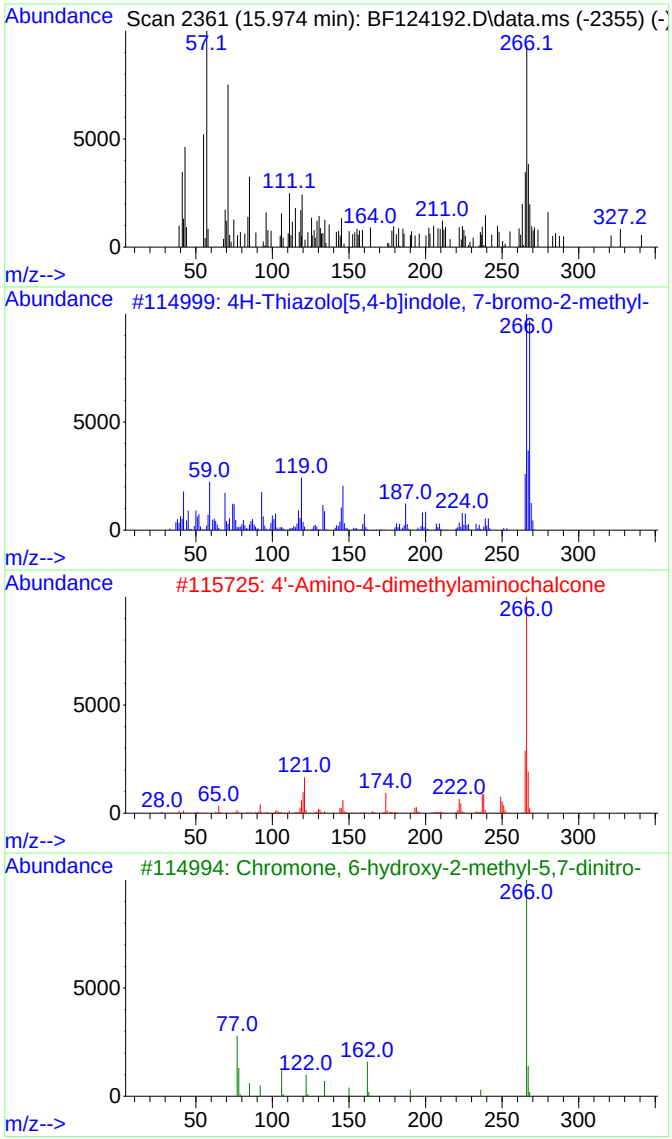
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

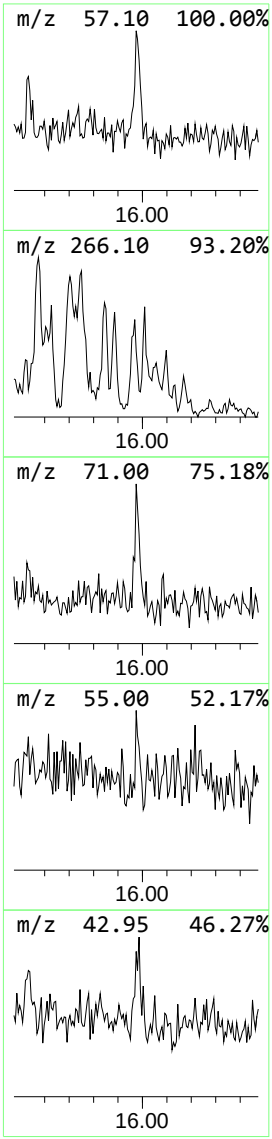
****

Peak Number 17 unknown15.974 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.974	7.30 ng	108725	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Thiazolo[5,4-b]indole, 7-brom...	266	C10H7BrN2S	1000337-12-4	35
2	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	27
3	Chromone, 6-hydroxy-2-methyl-5,7...	266	C10H6N2O7	030253-11-3	27
4	Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	27
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

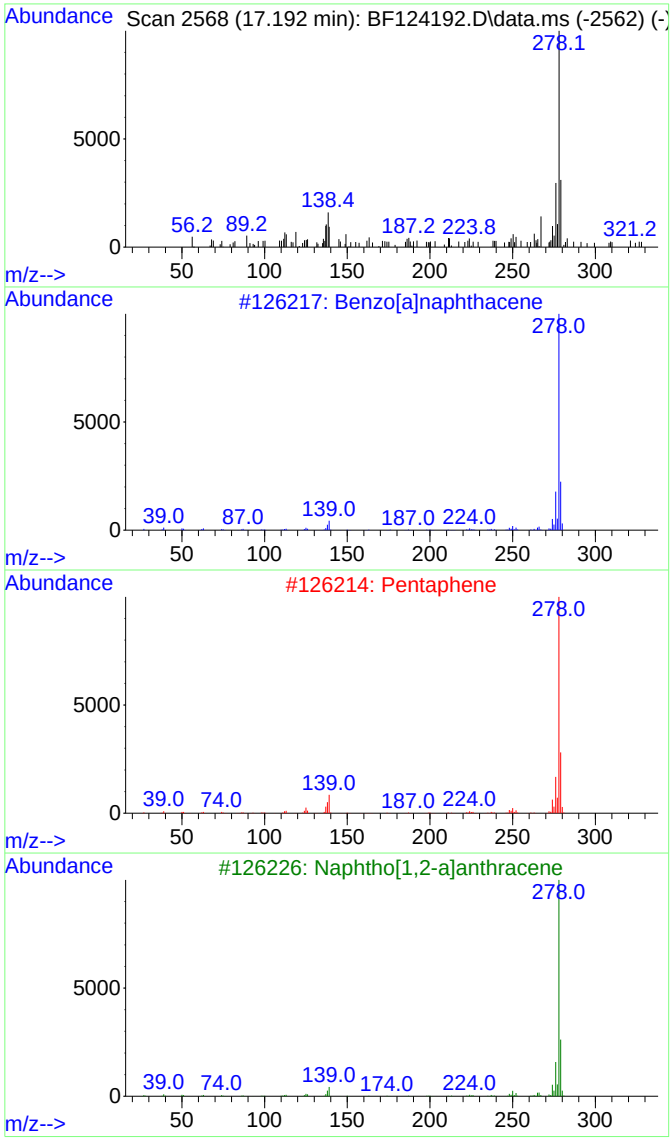
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

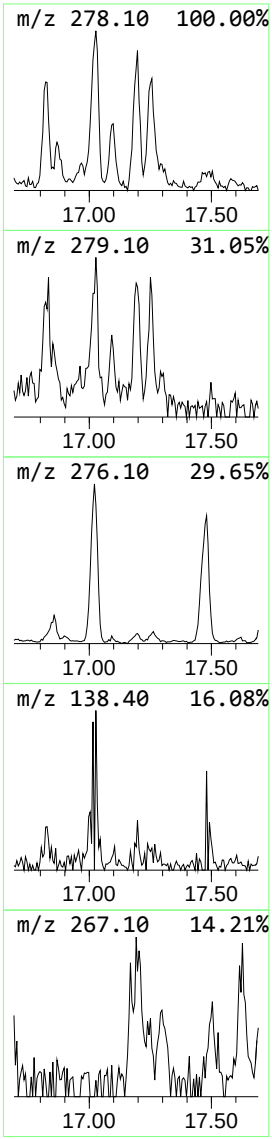
****

Peak Number 18 Benzo[a]naphthacene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.192	8.13 ng	121165	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	70
2	Pentaphene	278	C22H14	000222-93-5	64
3	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	64
4	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	60
5	Benzo[b]chrysene	278	C22H14	000214-17-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

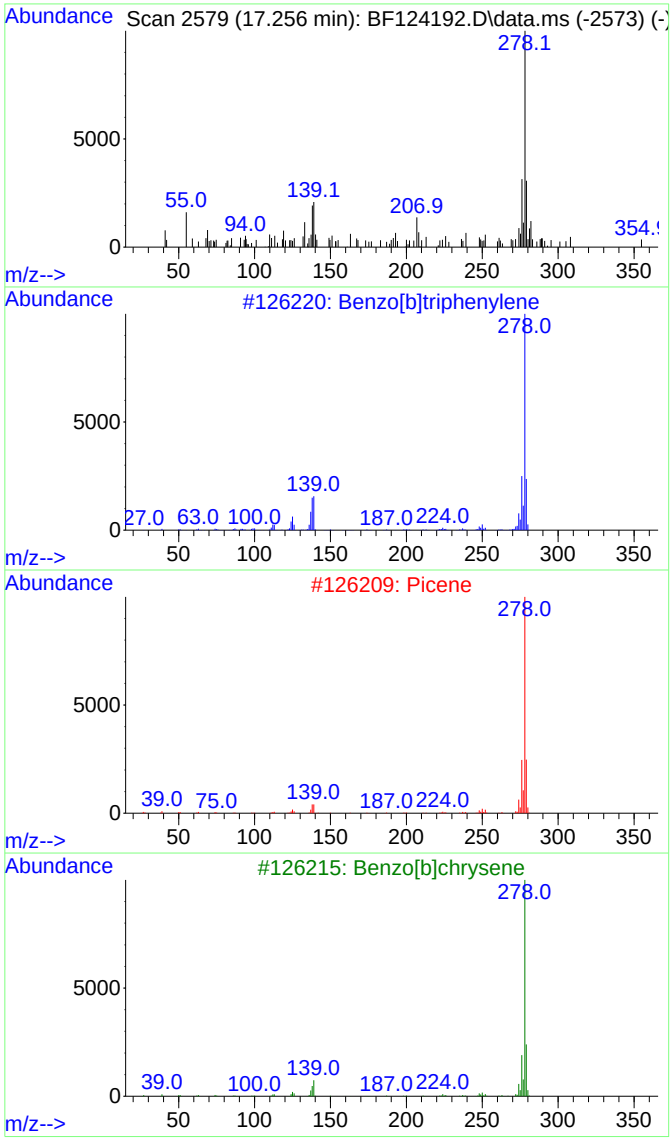
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

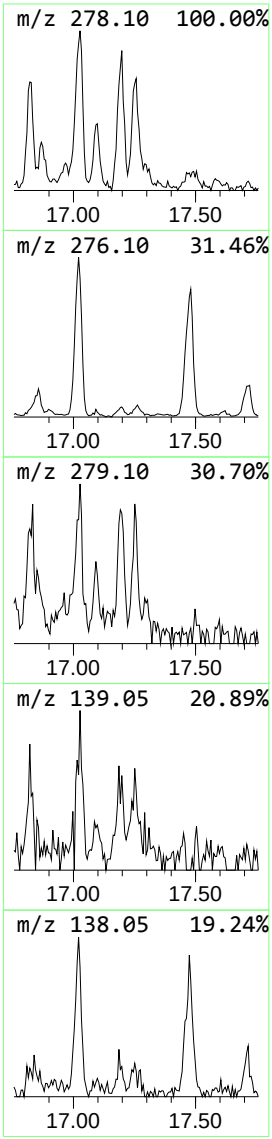
****

Peak Number 19 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.256	6.85 ng	102000	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2	Picene	278	C22H14	000213-46-7	89
3	Benzo[b]chrysene	278	C22H14	000214-17-5	68
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	62
5	Pentaphene	278	C22H14	000222-93-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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

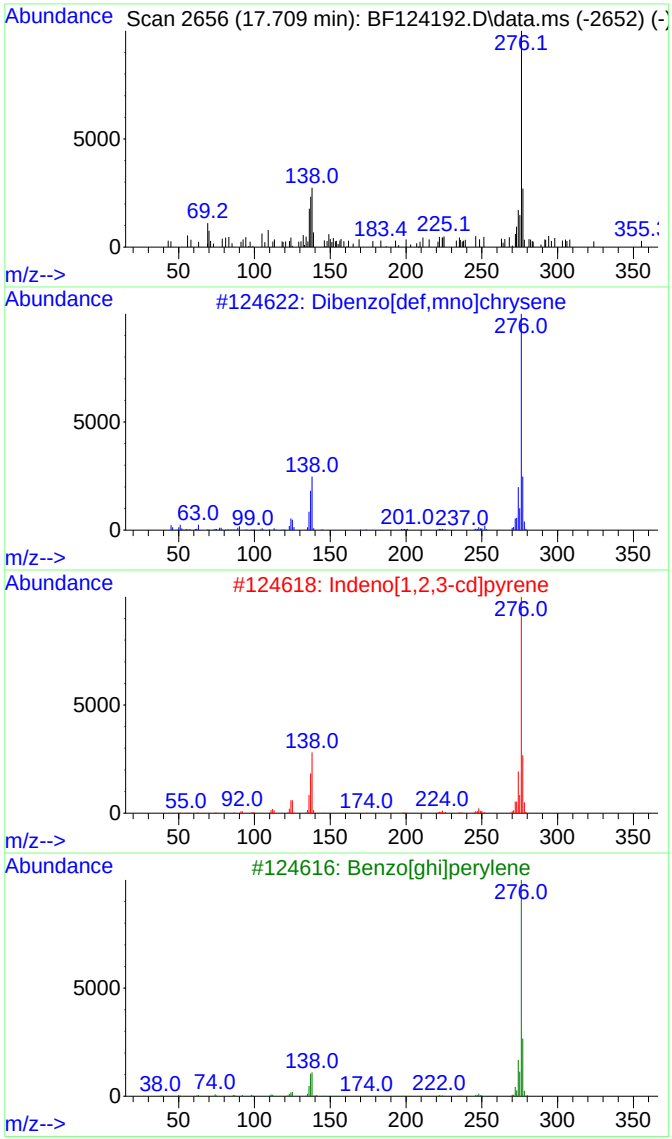
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

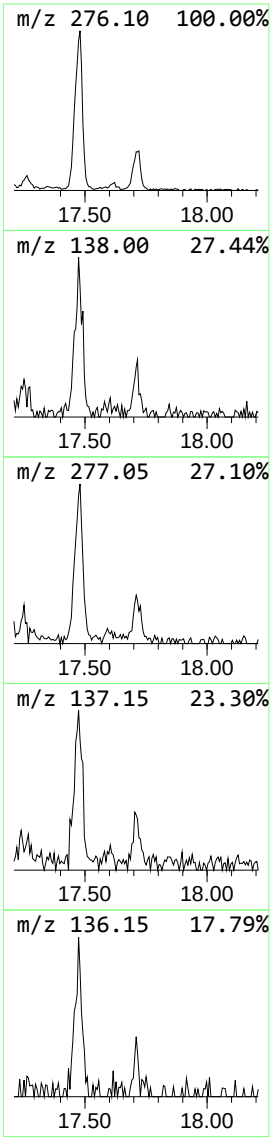
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.709	6.34 ng	94473	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	81
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124192.D
Acq On : 8 Jun 2021 21:50
Operator : JU/CG
Sample : M2599-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 339

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
Butane, 2-metho...	2.110	26.9	ng	280886	1	6.863	209045	20.0
Phenanthrene, 2...	11.892	10.7	ng	124567	4	11.386	233269	20.0
Phenanthrene, 1...	11.916	13.9	ng	162622	4	11.386	233269	20.0
Phenanthrene, 3...	11.963	8.5	ng	99311	4	11.386	233269	20.0
4H-Cyclopenta[d...	12.004	22.8	ng	265995	4	11.386	233269	20.0
Anthracene, 1-m...	12.022	7.3	ng	84681	4	11.386	233269	20.0
Naphthalene, 2-...	12.186	7.1	ng	82490	4	11.386	233269	20.0
9,10-Anthracene...	12.210	8.3	ng	96527	4	11.386	233269	20.0
Phenanthrene, 2...	12.333	6.3	ng	73816	4	11.386	233269	20.0
9,10-Dimethylan...	12.439	14.9	ng	174005	4	11.386	233269	20.0
unknown12.480	12.480	9.6	ng	111428	4	11.386	233269	20.0
Cyclopenta(def)...	12.527	14.3	ng	167231	4	11.386	233269	20.0
Benzene, 1,1'-(...	12.698	10.8	ng	125682	4	11.386	233269	20.0
Benzo[e]pyrene	15.198	13.4	ng	199786	6	15.527	298000	20.0
Perylene	15.404	39.2	ng	584416	6	15.527	298000	20.0
unknown15.886	15.886	5.6	ng	83577	6	15.527	298000	20.0
unknown15.974	15.974	7.3	ng	108725	6	15.527	298000	20.0
Benzo[a]naphtha...	17.192	8.1	ng	121165	6	15.527	298000	20.0
Benzo[b]triphen...	17.256	6.8	ng	102000	6	15.527	298000	20.0
Dibenzo[def,mno...	17.709	6.3	ng	94473	6	15.527	298000	20.0