LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	5	10	16	rVB	143955	200174	4.97%	0.402%
2	5.087	507	510	517	rVB	95587	101758	2.53%	0.204%
3	5.504	578	581	594	rBV	619613	566888	14.09%	1.138%
4	6.516	750	753	768	rBV	617418	608365	15.12%	1.221%
5	6.663	774	778	782	rBV	811362	641456	15.94%	1.287%
6	6.892	814	817	821	rBV	985076	773461	19.22%	1.552%
7	7.051	840	844	847	rBV	545188	448228	11.14%	0.900%
8	7.451	909	912	917	rBV	410948	328304	8.16%	0.659%
9	8.180	1033	1036	1039	rBV	1171415	920705	22.88%	1.848%
10	9.257	1216	1219	1225	rBV	706298	538809	13.39%	1.081%
11	9.804	1309	1312	1316	rVB	157274	122914	3.05%	0.247%
12	9.945	1329	1336	1339	rBV	1152604	928750	23.08%	1.864%
13	10.651	1451	1456	1460	rVB3	53983	97501	2.42%	0.196%
14	10.733	1467	1470	1474	rVB	413307	345393	8.58%	0.693%
15	10.863	1486	1492	1495	rBV3	102293	133809	3.32%	0.269%
16	11.045	1517	1523	1526	rBV2	94576	129187	3.21%	0.259%
17	11.169	1540	1544	1546	rBV2	70759	111109	2.76%	0.223%
18	11.198	1546	1549	1553	rVV2	106879	128820	3.20%	0.259%
19	11.239	1553	1556	1560	rVV2	104139	118072	2.93%	0.237%
20	11.286	1560	1564	1570	rVV5	90699	175934	4.37%	0.353%
21	11.333	1570	1572	1577	rVB	121547	124940	3.10%	0.251%
22	11.439	1586	1590	1592	rBV	963535	852136	21.17%	1.710%
23	11.463	1592	1594	1597	rVV	1651214	1342622	33.36%	2.694%
24	11.516	1600	1603	1605	rVV	468489	365220	9.07%	0.733%
25	11.545	1605	1608	1611	rVV2	84279	95948	2.38%	0.193%
26	11.733	1636	1640	1642	rVV3	113264	127370	3.16%	0.256%
27	11.768	1642	1646	1651	rVB	205941	202989	5.04%	0.407%
28	11.945	1672	1676	1678	rVV	691519	682837	16.97%	1.370%
29	11.974	1678	1681	1684	rVV	933595	868797	21.59%	1.744%
30	12.016	1685	1688	1691	rVV	347409	341991	8.50%	0.686%
31	12.057	1691	1695	1697	rVV	1105840	1287831	32.00%	2.584%
32	12.080	1697	1699	1702	rVB	791769	588870	14.63%	1.182%
33	12.127	1703	1707	1710	rBV4	95386	153867	3.82%	0.309%
34	12.174	1713	1715	1718	rVB2	170921	148682	3.69%	0.298%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.239	1718	1726	1728	rBV2	520782	570935	14.19%	1.146%
36	12.263	1728	1730	1736	rVB4	297197	365243	9.07%	0.733%
37	12.316	1736	1739	1743	rBV2	159088	186203	4.63%	0.374%
38	12.368	1746	1748	1750	rBV	155184	178538	4.44%	0.358%
39	12.386	1750	1751	1754	rVV	361948	303532	7.54%	0.609%
40	12.421	1754	1757	1759	rVV	341756	283747	7.05%	0.569%
41	12.445	1759	1761	1763	rVB	260479	185845	4.62%	0.373%
42	12.498	1766	1770	1773	rVV	1011983	1103801	27.43%	2.215%
43	12.533	1773	1776	1778	rVV2	577904	739607	18.38%	1.484%
44	12.551	1778	1779	1782	rVV	275371	217366	5.40%	0.436%
45	12.586	1782	1785	1789	rVV2	619208	747447	18.57%	1.500%
46	12.621	1789	1791	1794	rVV2	112298	115106	2.86%	0.231%
47	12.663	1794	1798	1801	rVV	2734055	2324048	57.74%	4.664%
48	12.704	1801	1805	1807	rVV	222415	253492	6.30%	0.509%
49	12.721	1807	1808	1811	rVV2	226101	189551	4.71%	0.380%
50	12.751	1811	1813	1816	rVB2	117990	121805	3.03%	0.244%
51	12.792	1816	1820	1822	rBV3	190278	232769	5.78%	0.467%
52	12.815	1822	1824	1826	rVV3	171066	167575	4.16%	0.336%
53	12.845	1826	1829	1831	rVB	215172	196471	4.88%	0.394%
54	12.898	1831	1838	1842	rBV	3470745	4024732	100.00%	8.077%
55	12.945	1842	1846	1850	rVB2	291155	380593	9.46%	0.764%
56	13.004	1853	1856	1858	rVV2	189399	198649	4.94%	0.399%
57	13.027	1858	1860	1862	rVV	744725	605675	15.05%	1.216%
58	13.045	1862	1863	1867	rVB2	320022	285467	7.09%	0.573%
59	13.104	1867	1873	1881	rBV5	600356	1093905	27.18%	2.195%
60	13.163	1881	1883	1885	rBV2	213153	190542	4.73%	0.382%
61	13.192	1885	1888	1890	rVV2	421946	470272	11.68%	0.944%
62	13.215	1890	1892	1895	rVB	497336	505055	12.55%	1.014%
63	13.286	1901	1904	1906	rVB	196350	142548	3.54%	0.286%
64	13.327	1906	1911	1913	rBV2	808080	833813	20.72%	1.673%
65	13.351	1913	1915	1918	rVV3	124558	143468	3.56%	0.288%
66	13.380	1918	1920	1923	rVB3	115953	97849	2.43%	0.196%
67	13.421	1923	1927	1929	rBV	686028	654004	16.25%	1.312%
68	13.451	1929	1932	1935	rVB	757261	672019	16.70%	1.349%
69	13.480	1935	1937	1941	rBV4	99687	102663	2.55%	0.206%
70	13.533	1942	1946	1949	rVB5	159461	218913	5.44%	0.439%
71	13.598	1954	1957	1958	rBV2	139189	142920	3.55%	0.287%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.621	1959	1961	1963	rVV2	106593	107137	2.66%	0.215%
73	13.668	1967	1969	1972	rVB2	169271	138316	3.44%	0.278%
74	13.727	1977	1979	1984	rVB	601900	580563	14.42%	1.165%
75	13.792	1987	1990	1993	rVB	207860	203379	5.05%	0.408%
76	13.839	1993	1998	2001	rBV3	449922	699988	17.39%	1.405%
77	13.868	2001	2003	2005	rVV	401423	297947	7.40%	0.598%
78	13.892	2005	2007	2011	rVV2	181853	238923	5.94%	0.479%
79	13.939	2012	2015	2019	rVB	382866	410622	10.20%	0.824%
80	14.062	2033	2036	2038	rBV	1597807	1594108	39.61%	3.199%
81	14.086	2038	2040	2044	rVV2	1989696	2700155	67.09%	5.419%
82	14.121	2044	2046	2051	rVV	1827349	1690667	42.01%	3.393%
83	14.180	2054	2056	2058	rBV	161399	148179	3.68%	0.297%
84	14.257	2064	2069	2076	rVB8	160040	427087	10.61%	0.857%
85	14.351	2083	2085	2087	rVB2	130652	103708	2.58%	0.208%
86	14.409	2092	2095	2098	rBV3	95233	108726	2.70%	0.218%
87	14.445	2098	2101	2103	rBV	168203	166313	4.13%	0.334%
88	14.480	2103	2107	2110	rBV	608228	641840	15.95%	1.288%
89	14.515	2110	2113	2116	rVB	379985	311877	7.75%	0.626%
90	14.557	2116	2120	2122	rBV2	190600	285748	7.10%	0.573%
91	14.609	2125	2129	2131	rBV	297250	308318	7.66%	0.619%
92	14.680	2137	2141	2145	rVB4	203883	267060	6.64%	0.536%
93	14.792	2156	2160	2161	rBV3	94733	129521	3.22%	0.260%
94	15.156	2217	2222	2225	rBV2	821716	1311028	32.57%	2.631%
95	15.262	2237	2240	2243	rBV	162903	190245	4.73%	0.382%
96	15.468	2272	2275	2281	rVB	448172	576789	14.33%	1.158%
97	15.539	2282	2287	2290	rBV	613565	759567	18.87%	1.524%
98	15.598	2292	2297	2300	rBV	505185	727199	18.07%	1.459%
99	17.127	2552	2557	2564	rVB2	266703	502279	12.48%	1.008%
100	17.592	2631	2636	2642	rVB	192133	351916	8.74%	0.706%

Sum of corrected areas: 49829110

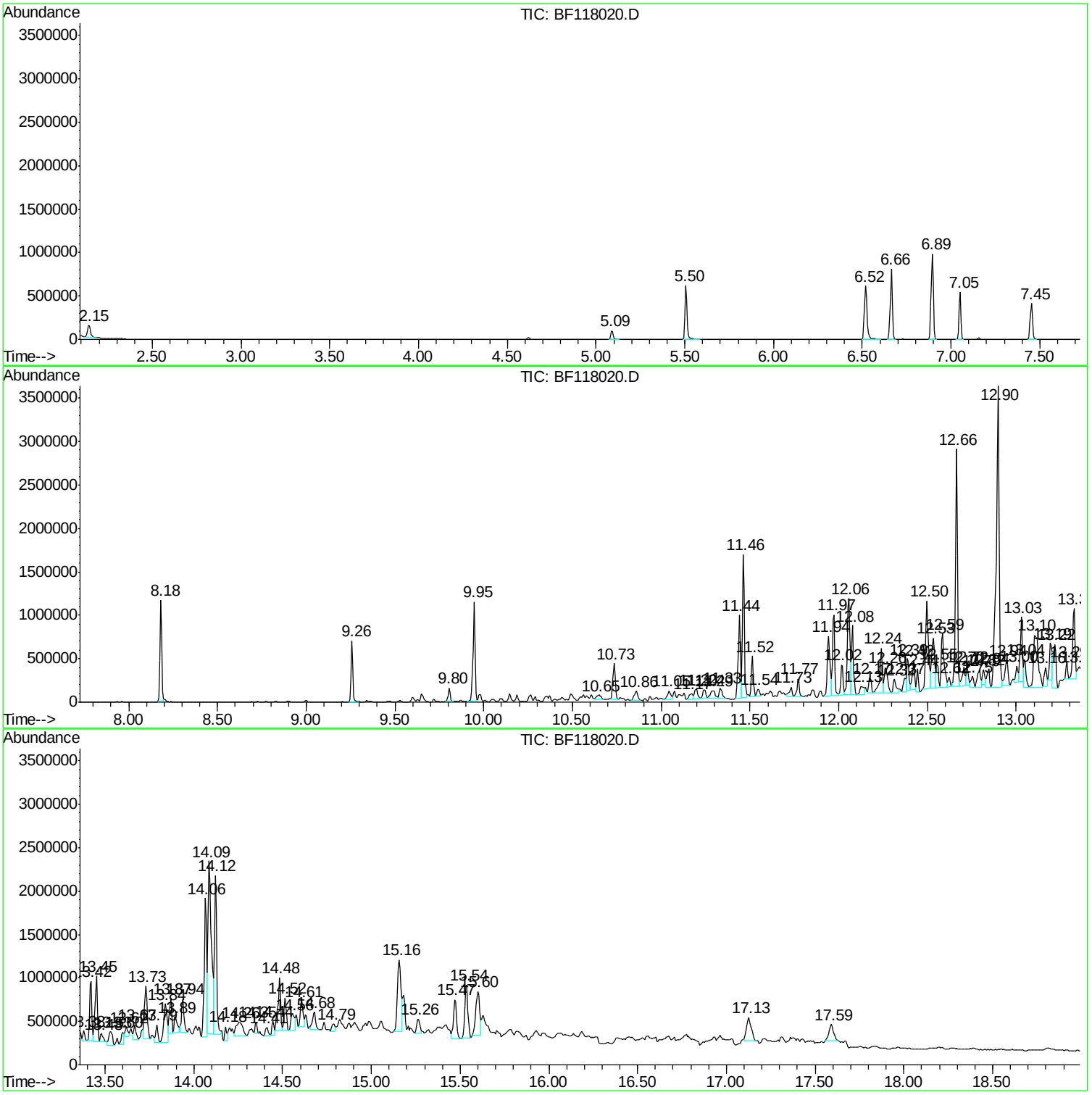
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

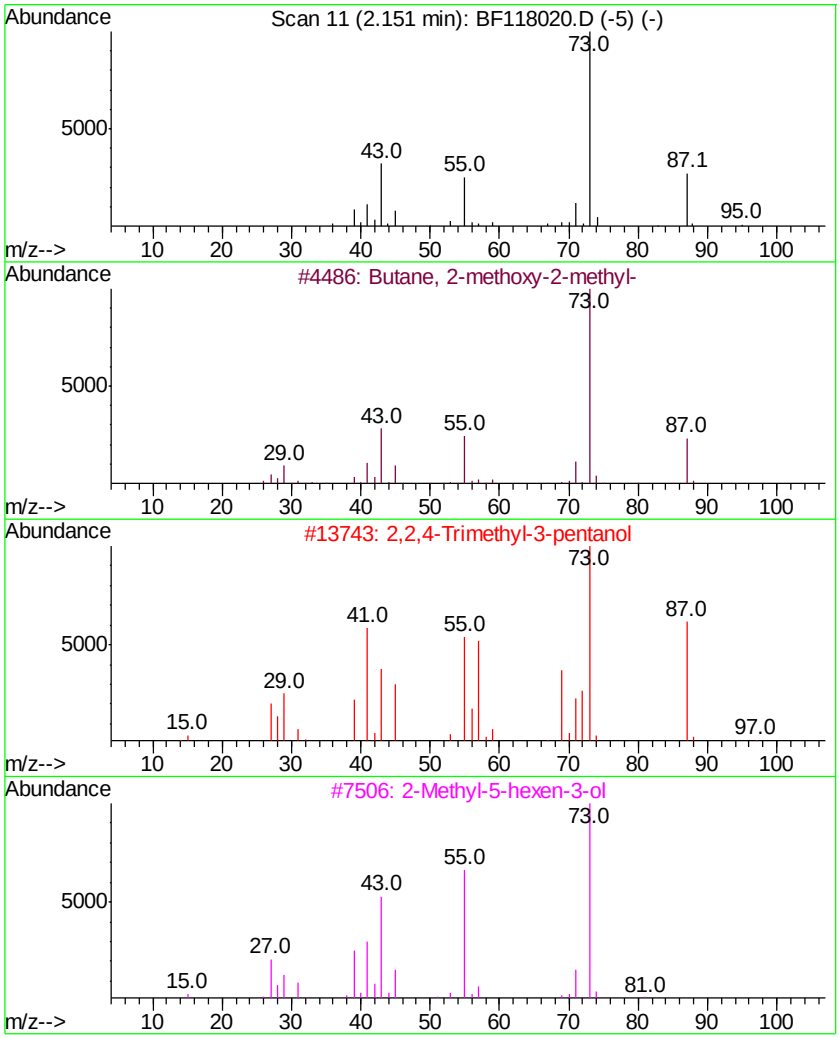
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

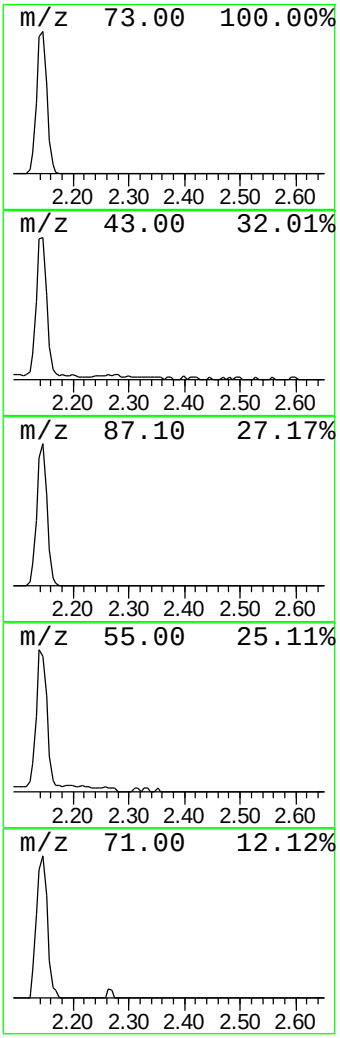
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	5.18 ng	200174	1,4-Dichlorobenzene-d4	6.89

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	43
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

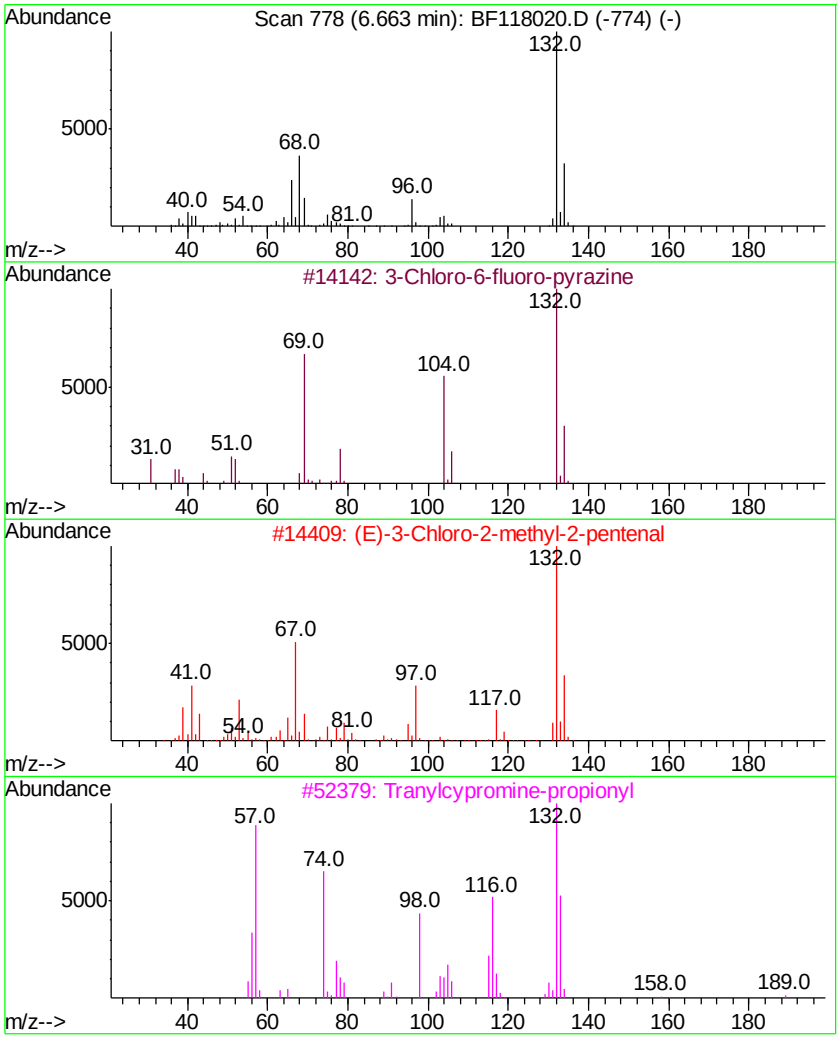
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

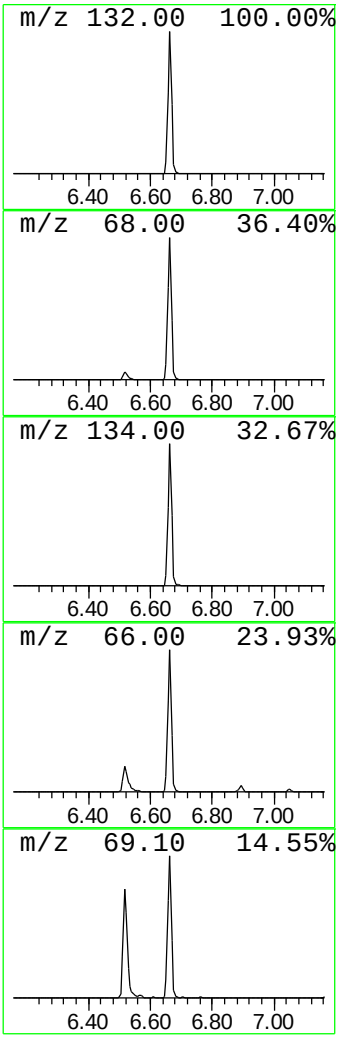
****

Peak Number 2 unknown6.66 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	16.59 ng	641456	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

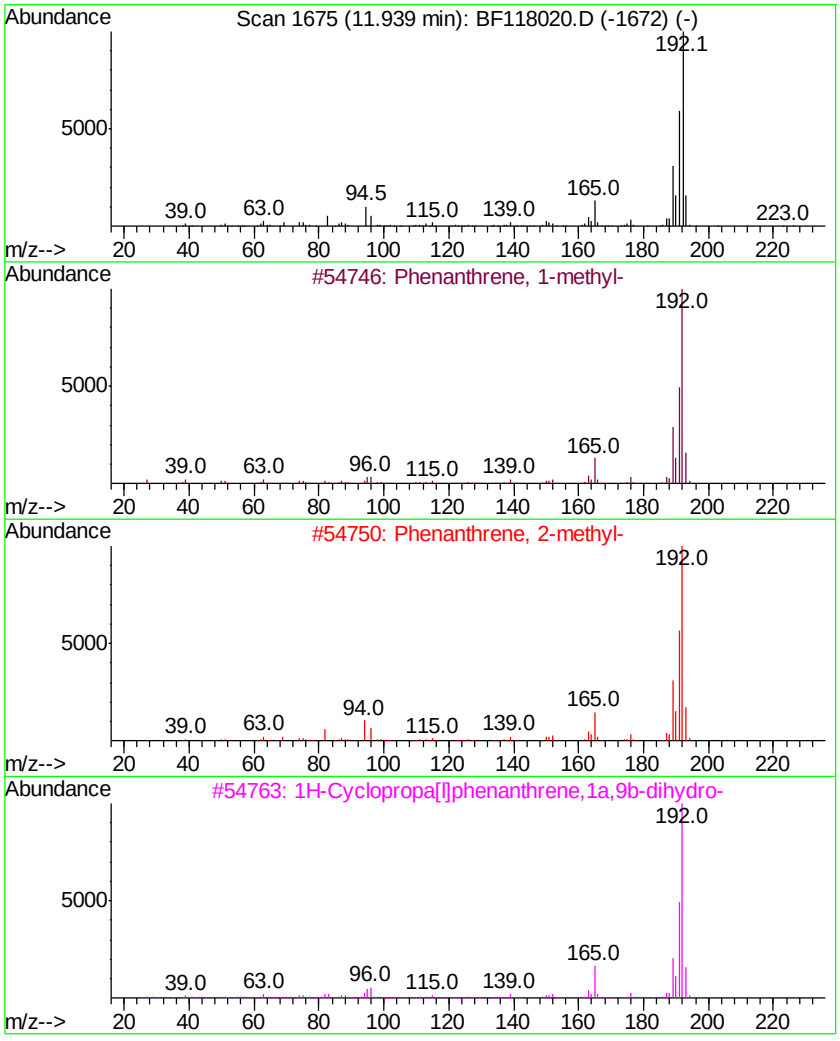
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

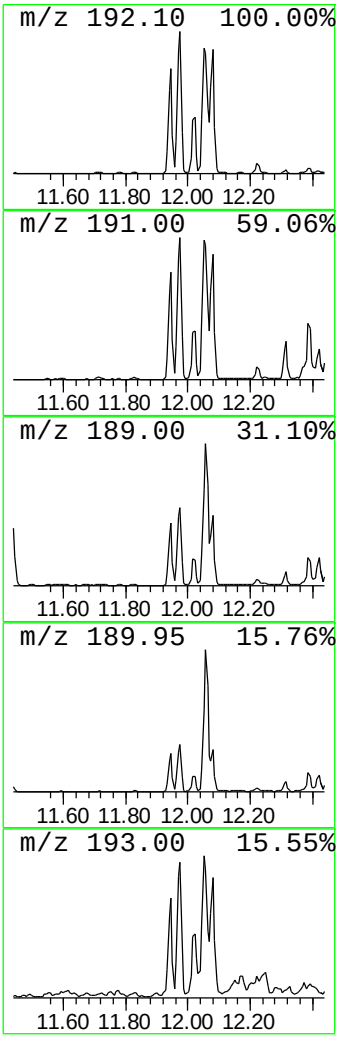
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	16.03 ng	682837	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

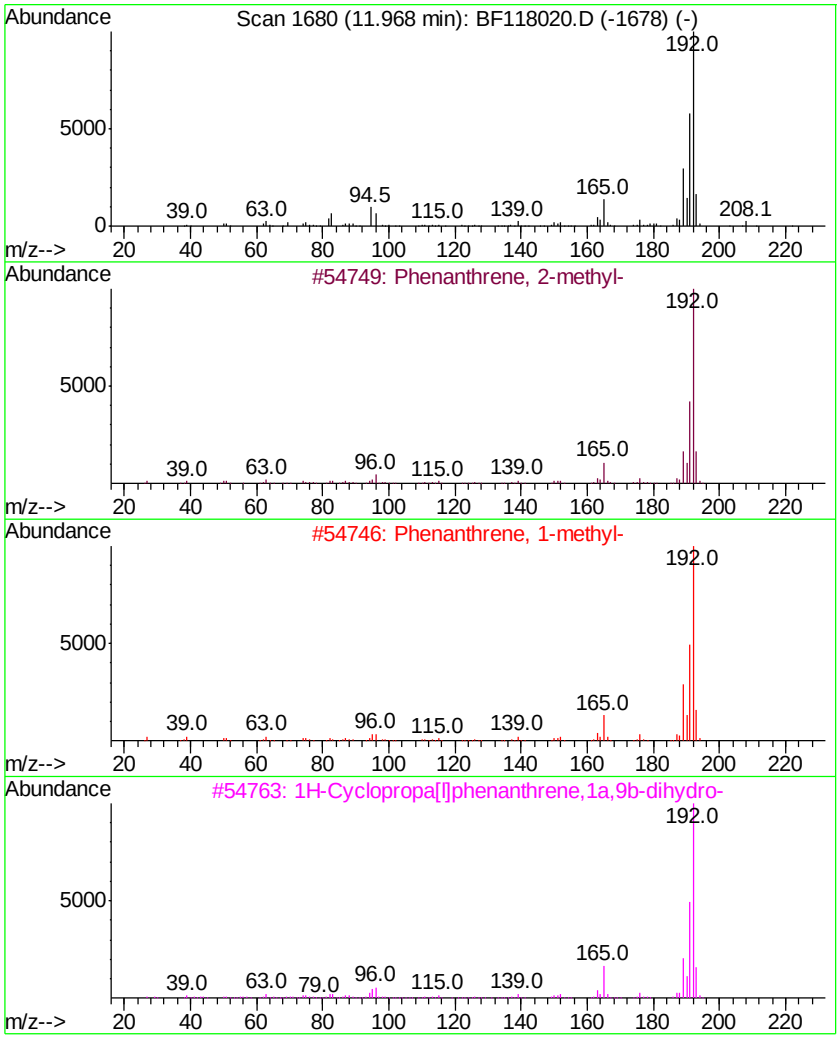
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

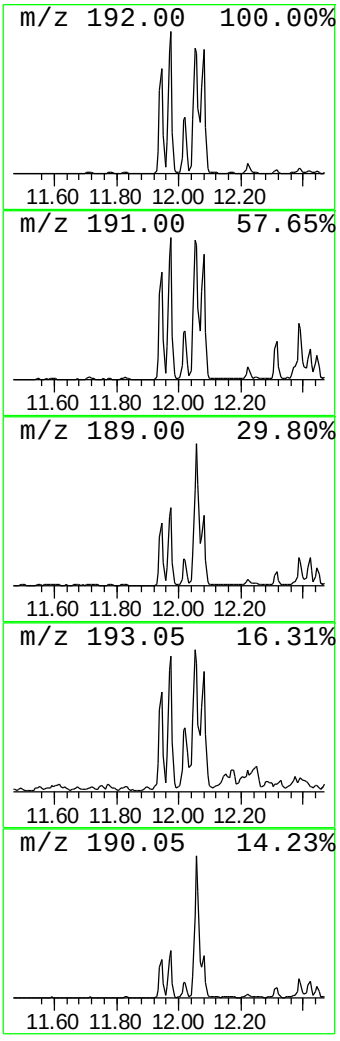
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	20.39 ng	868797	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

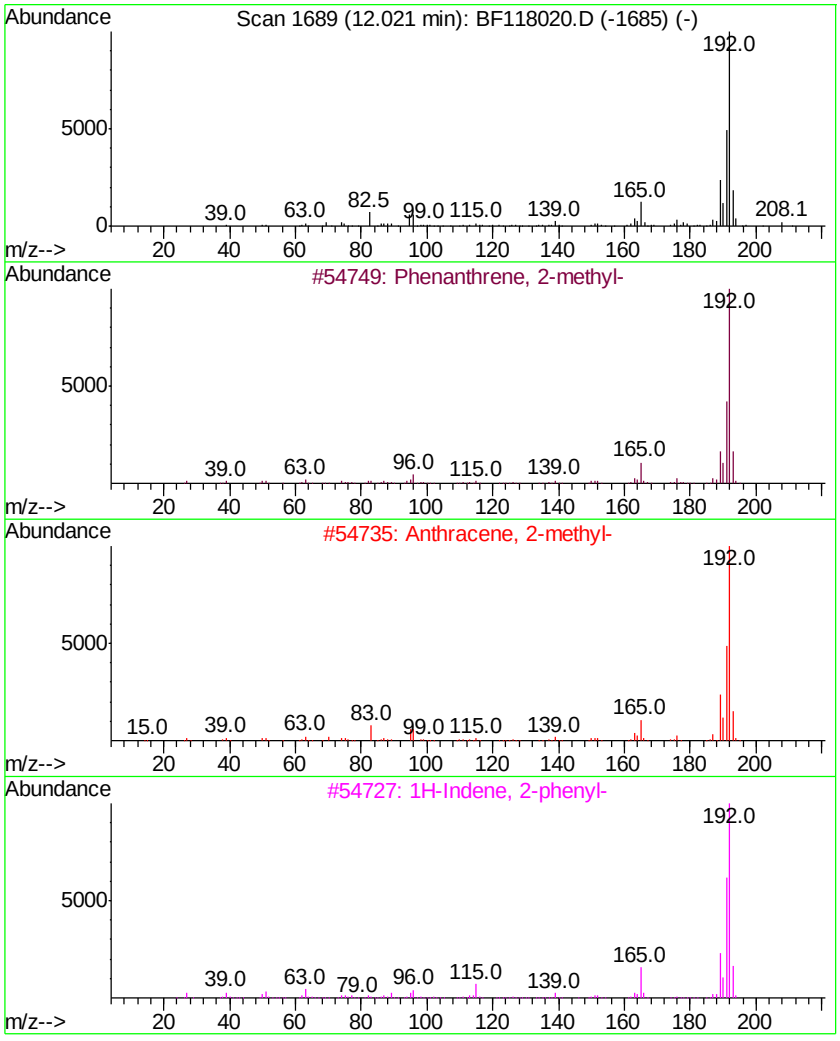
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

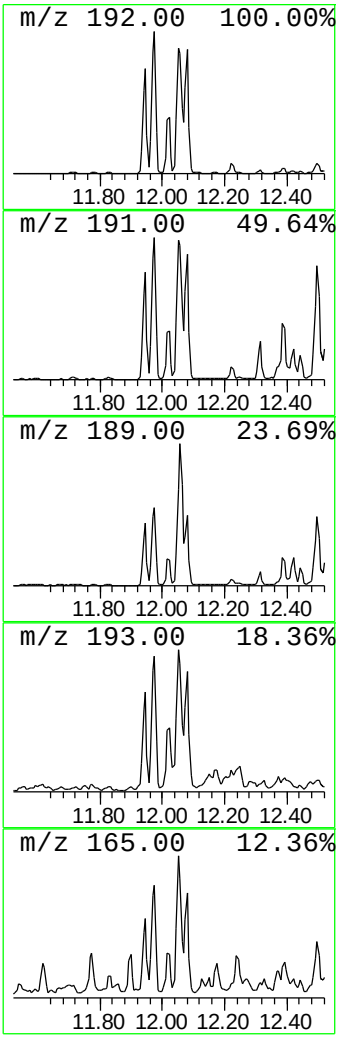
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.03 ng	341991	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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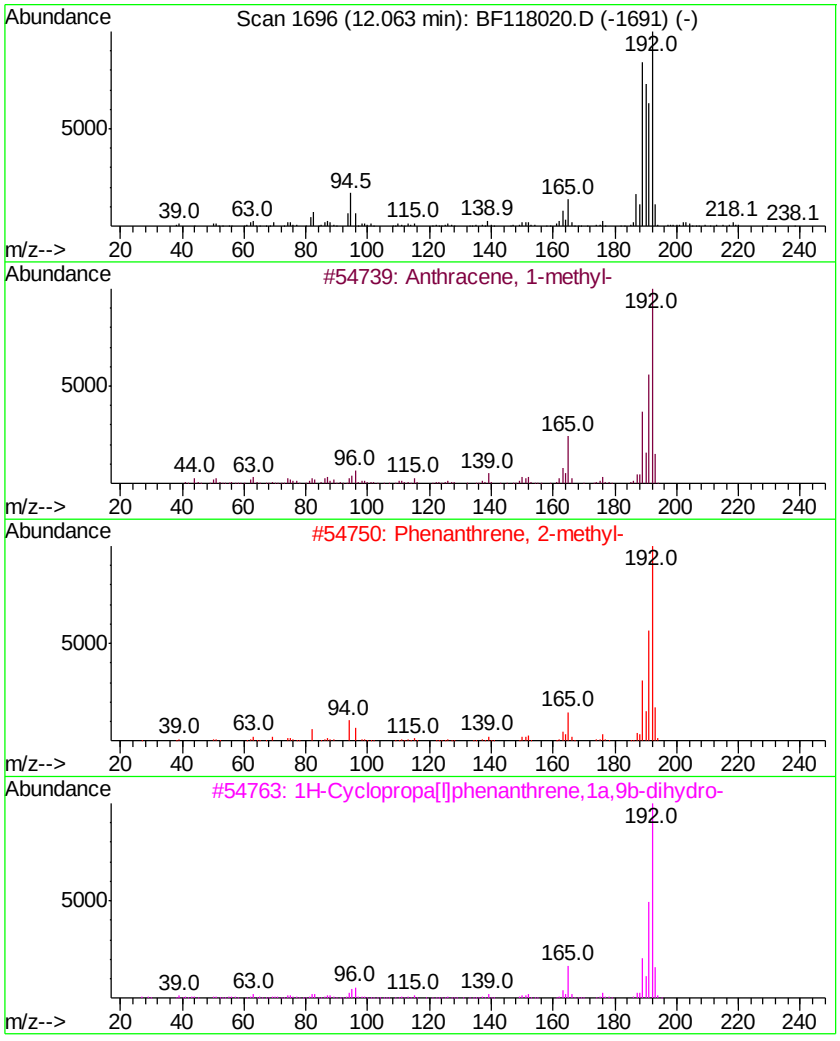
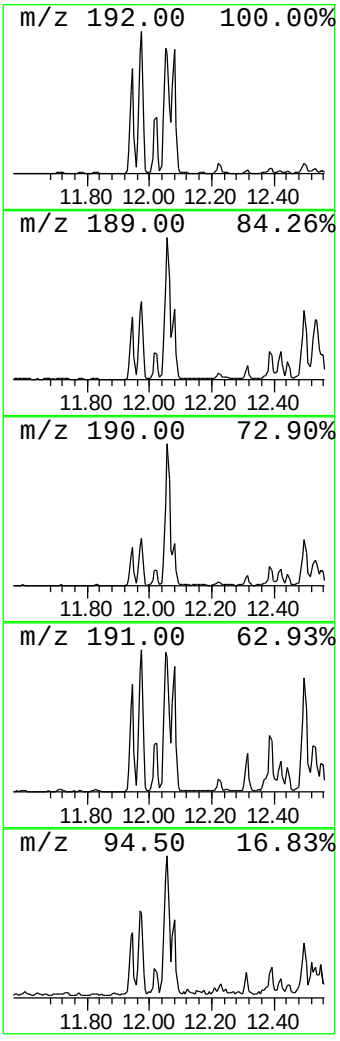
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	30.23 ng	1287830	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55





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Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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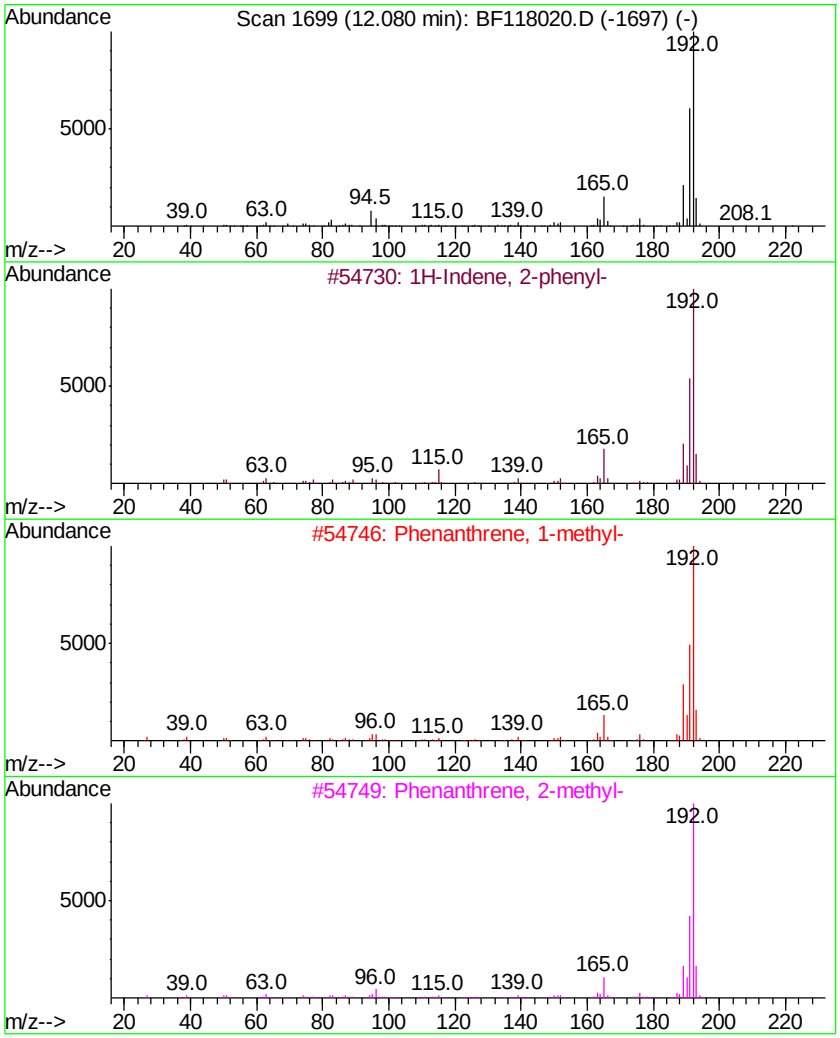
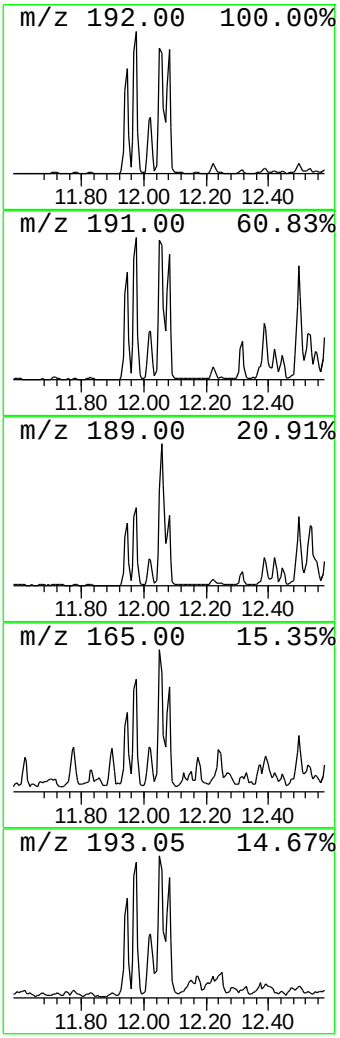
Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	13.82 ng	588870	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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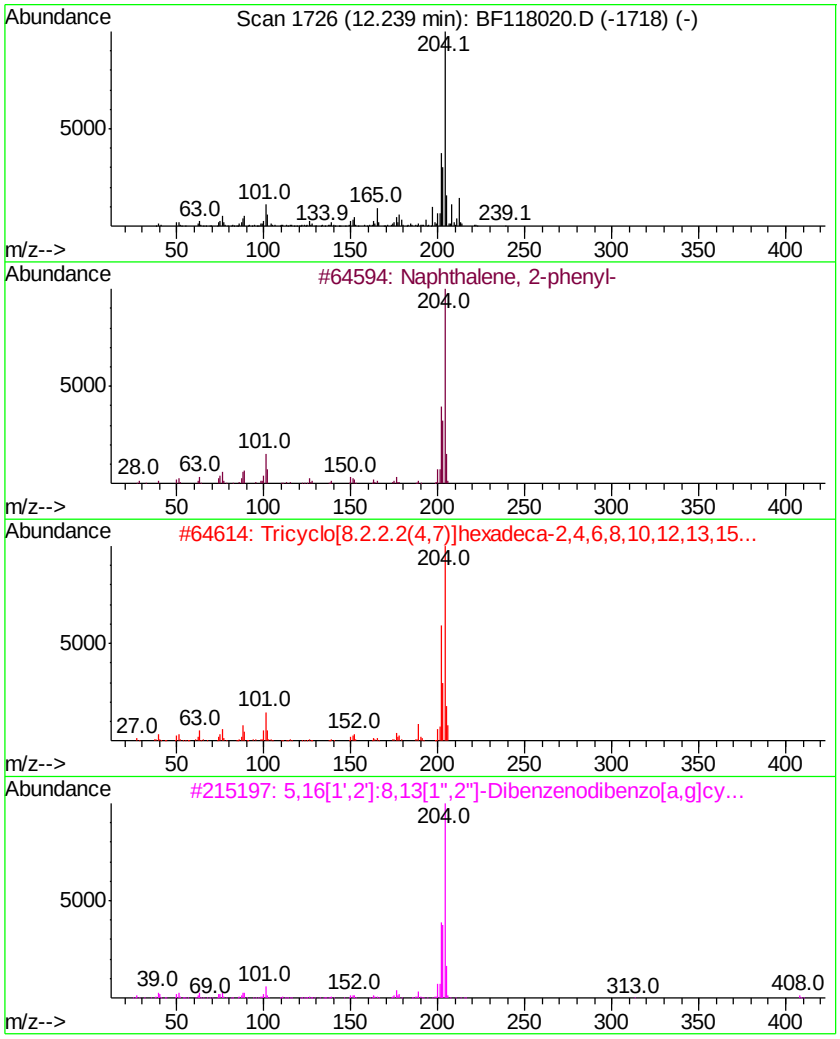
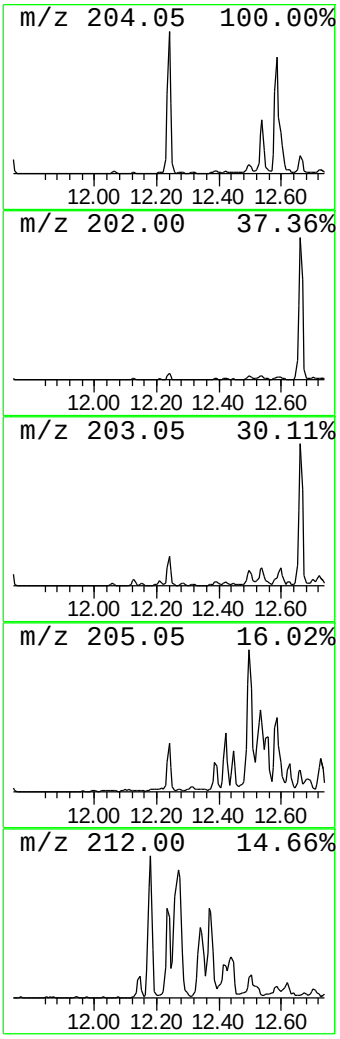
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	13.40 ng	570935	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	55





Library Search Compound Report

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Sample : K5959-01 5X
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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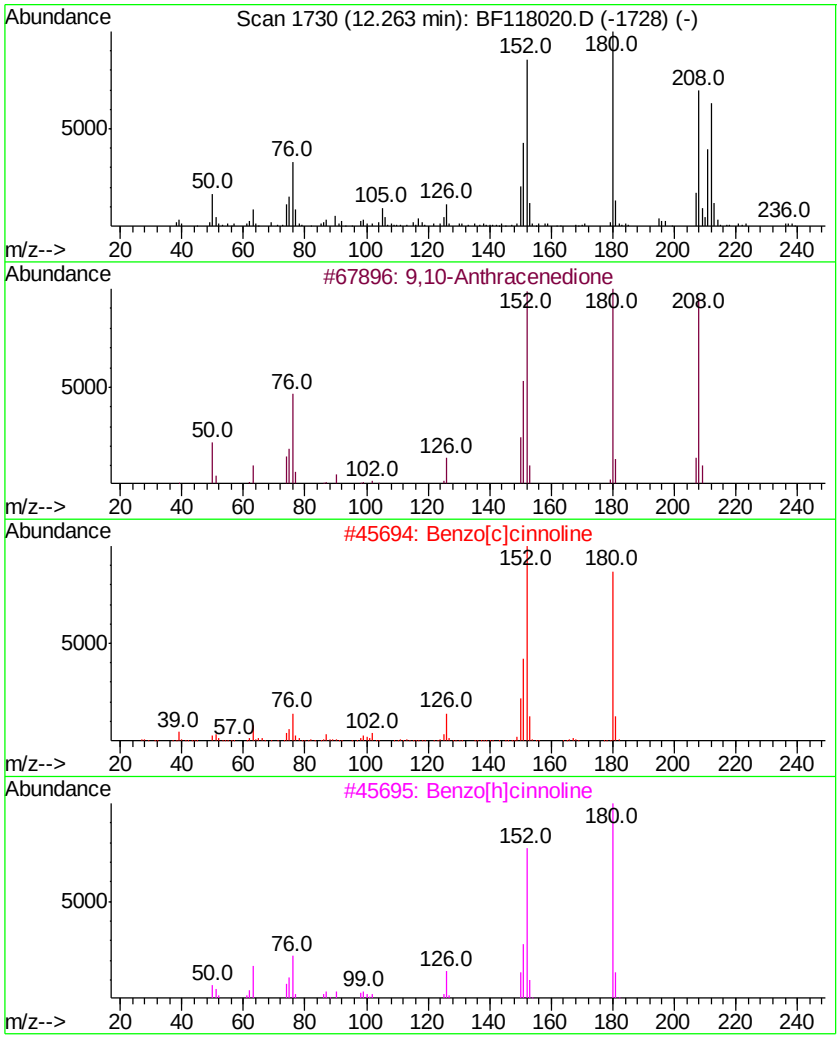
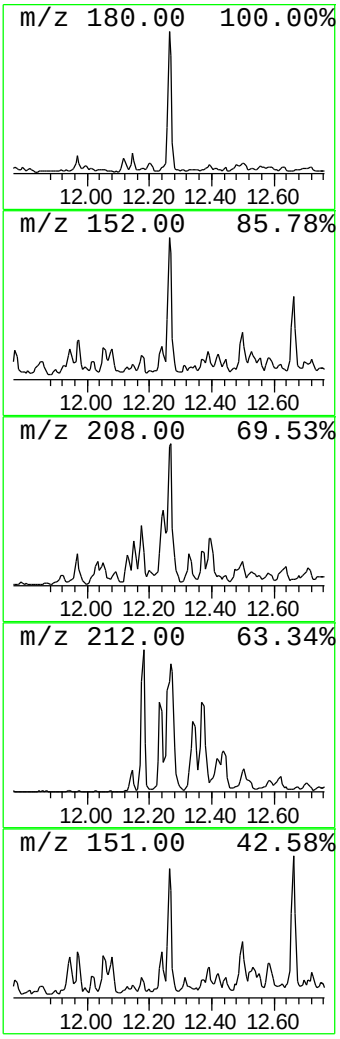
Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	8.57 ng	365243	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5	Acenaphthylene	152	C12H8	000208-96-8	20





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Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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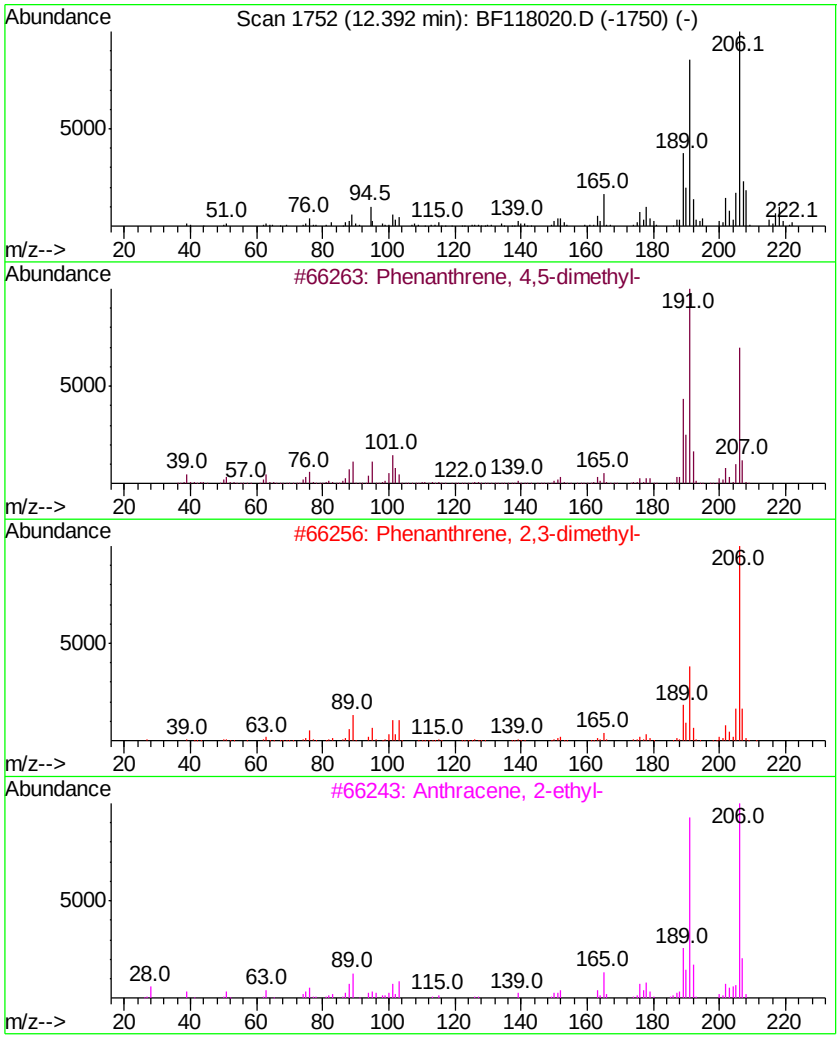
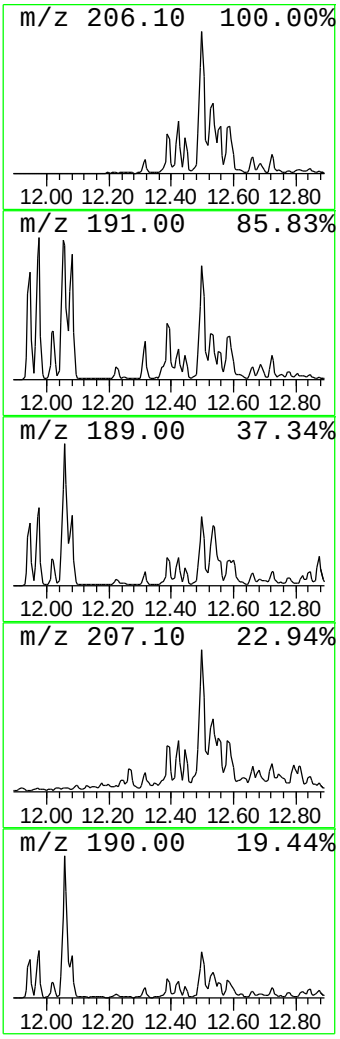
Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	7.12 ng	303532	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87





Library Search Compound Report

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Sample : K5959-01 5X
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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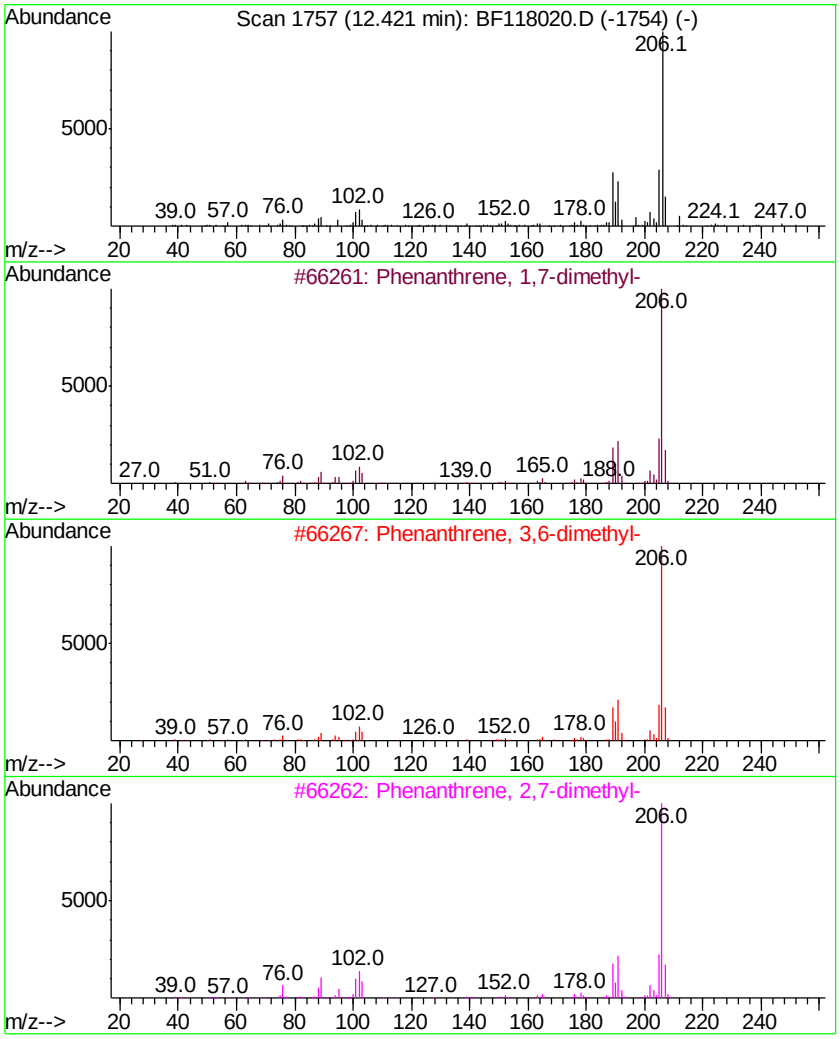
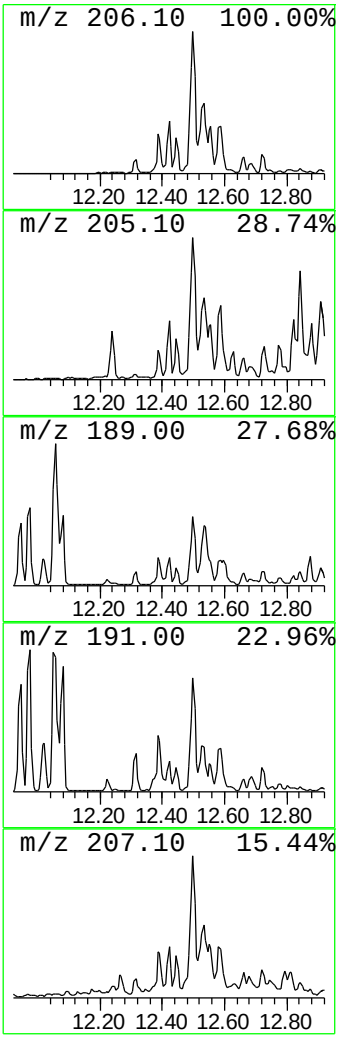
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	6.66 ng	283747	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	72





Library Search Compound Report

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Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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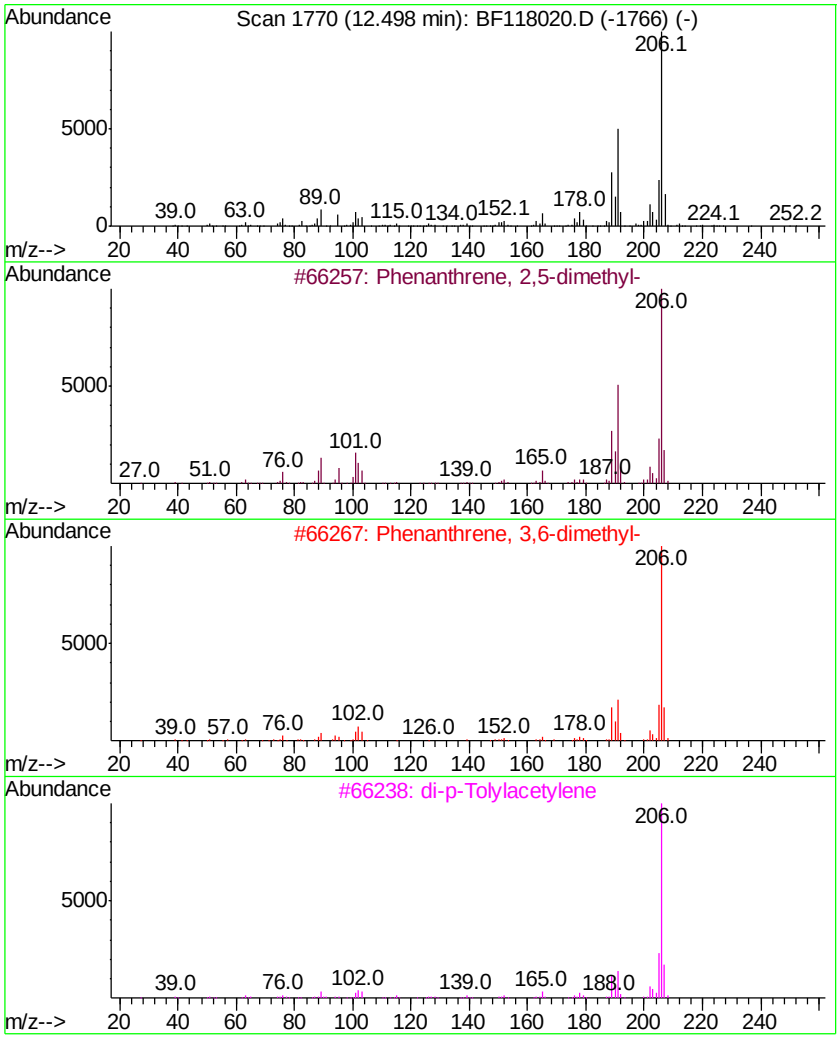
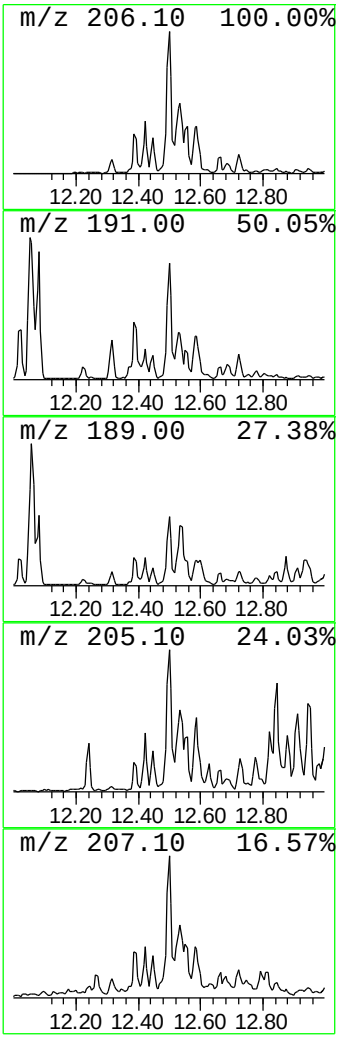
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	25.91 ng	1103800	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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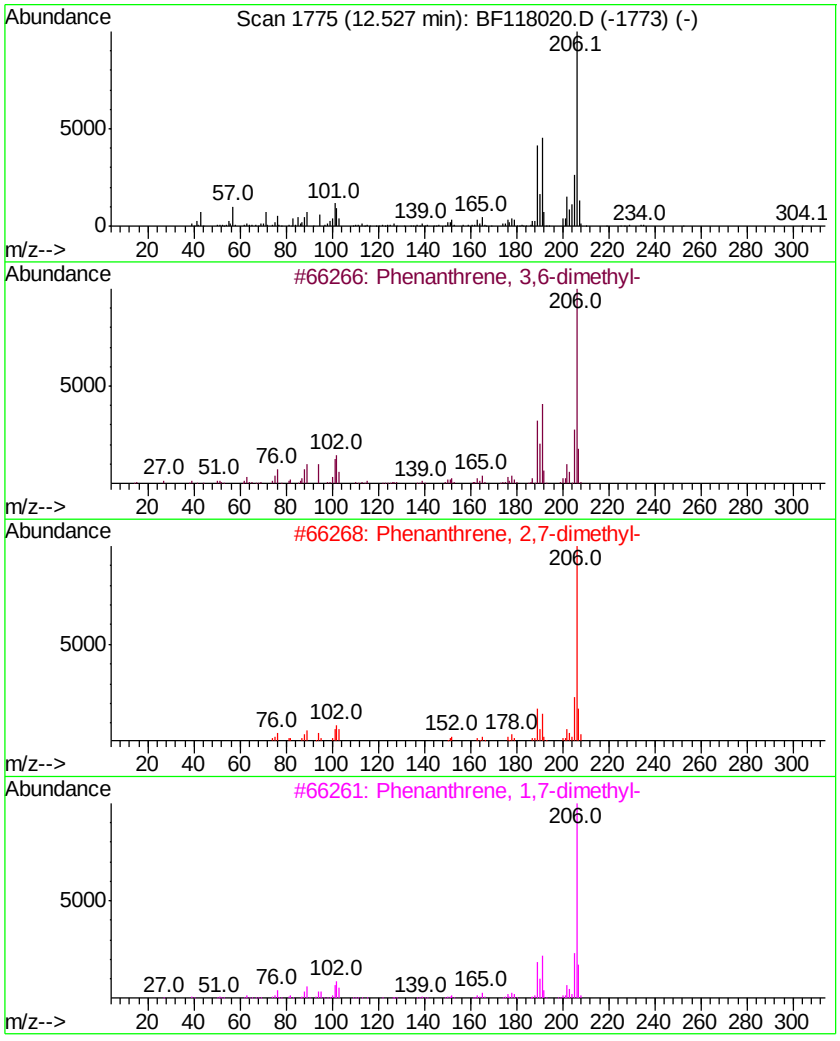
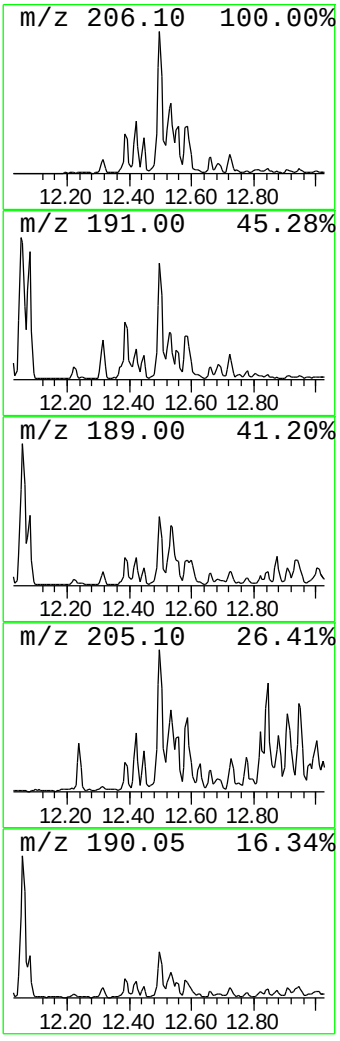
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	17.36 ng	739607	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49





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Misc :
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Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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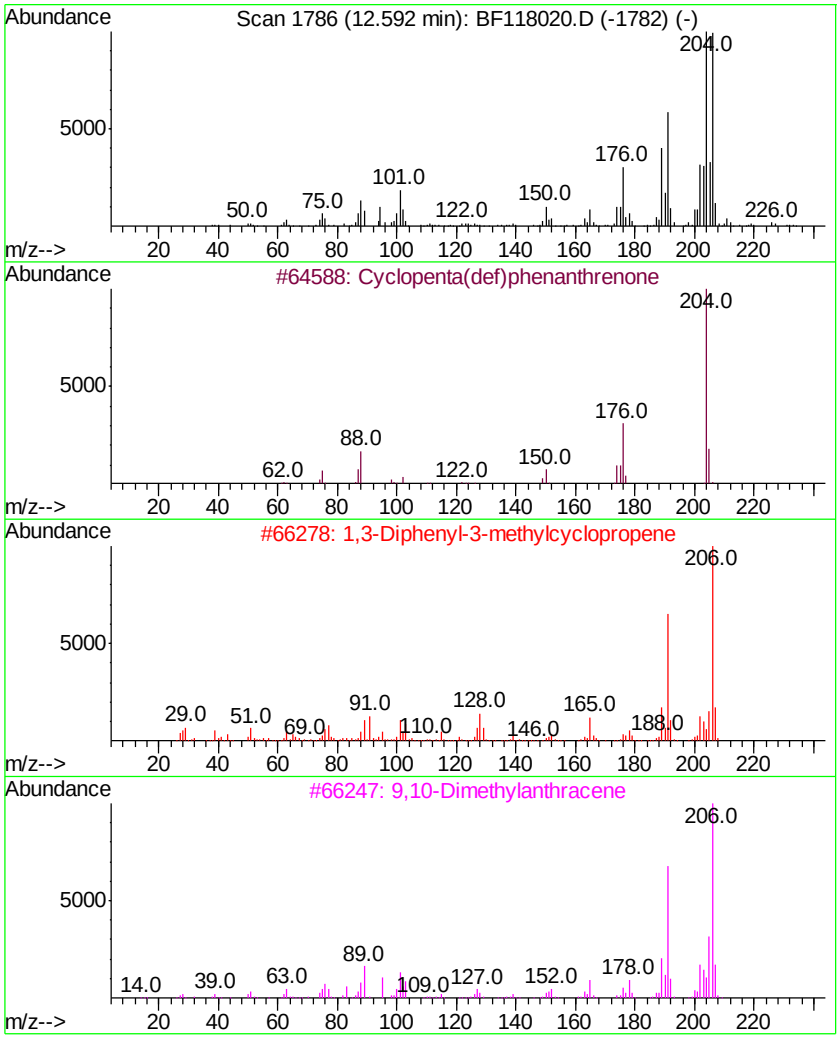
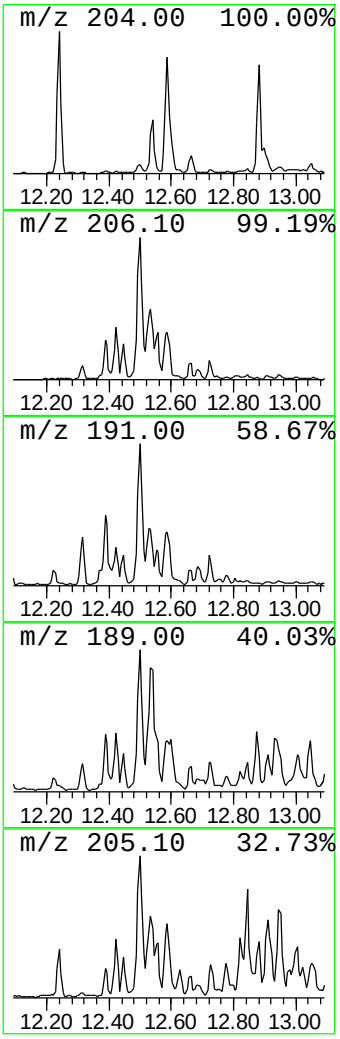
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	17.54 ng	747447	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	84
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	52
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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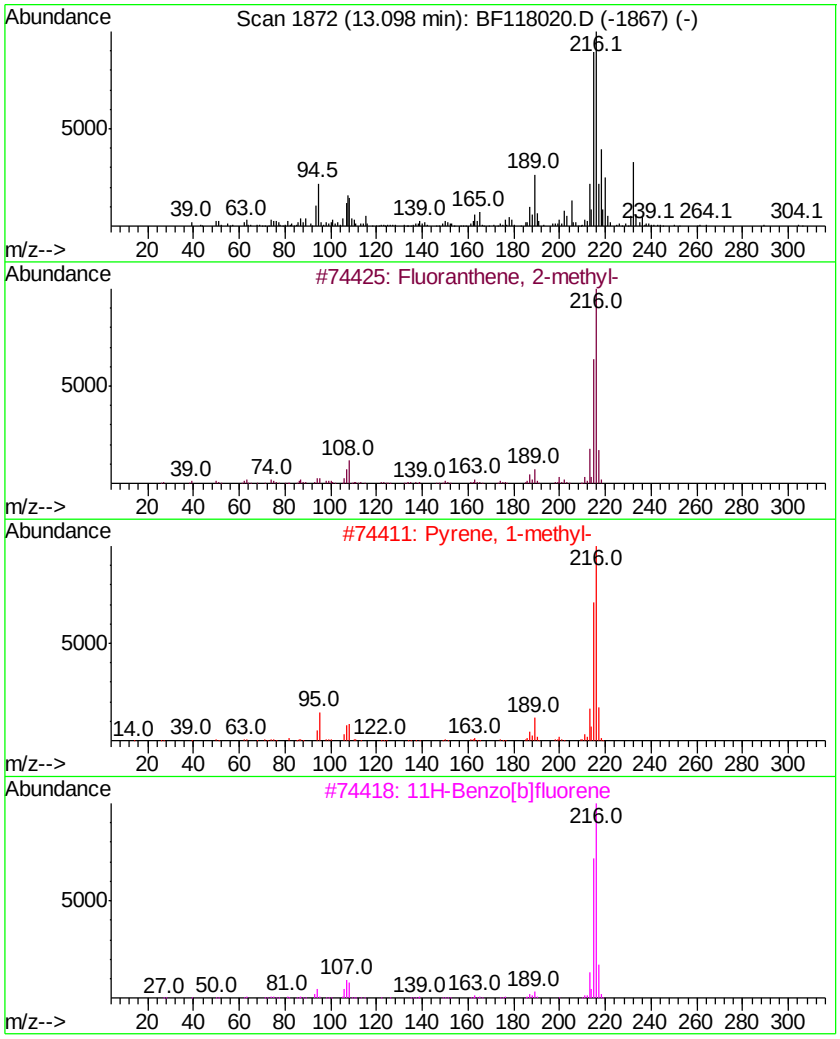
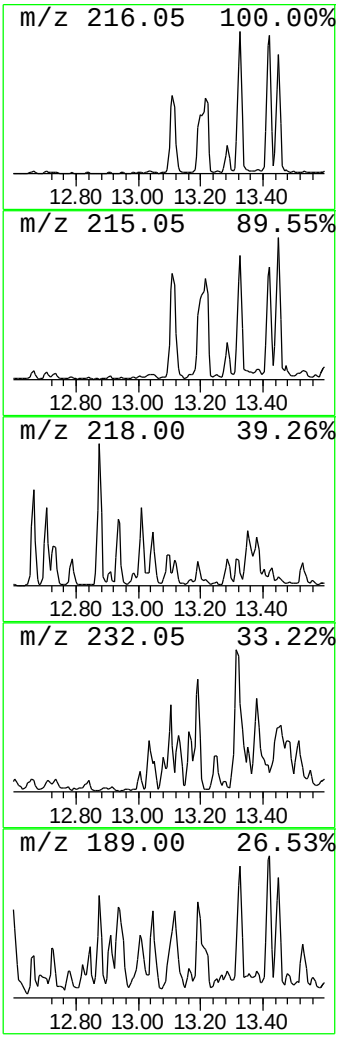
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	8.10 ng	1093910	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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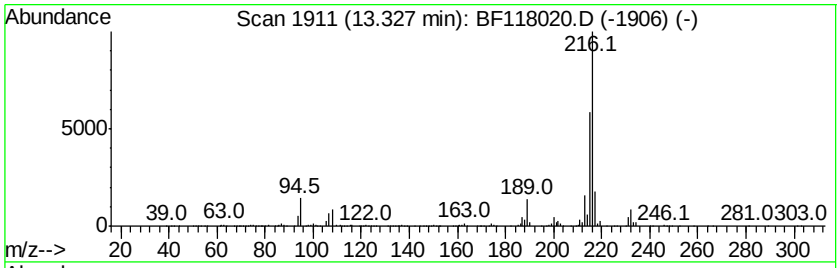
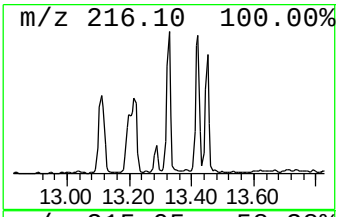
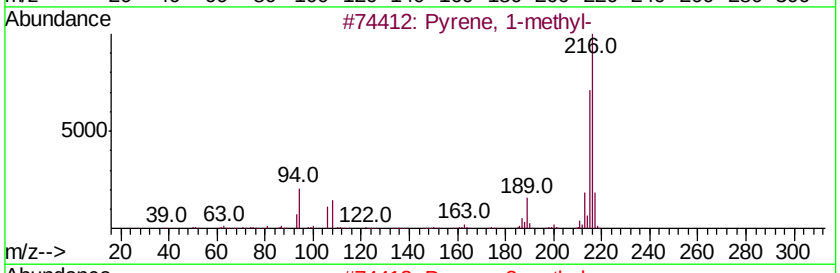
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

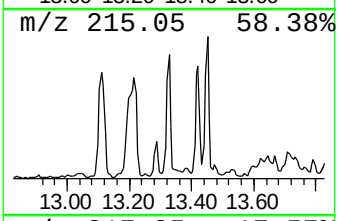
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	6.18 ng	833813	Chrysene-d12	14.10

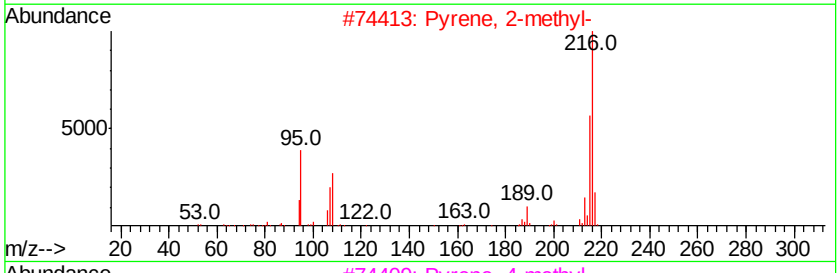
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81

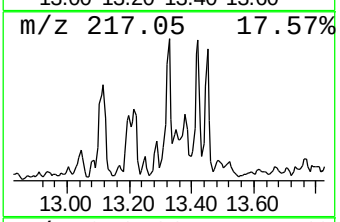


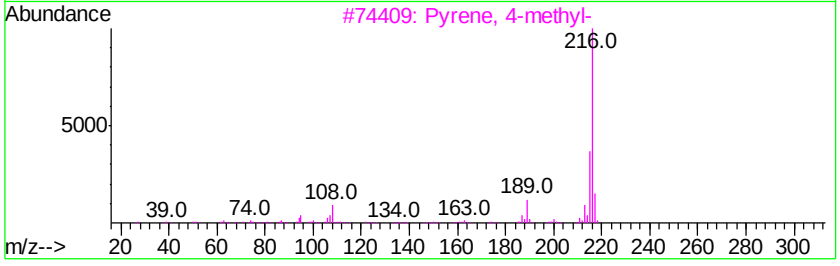


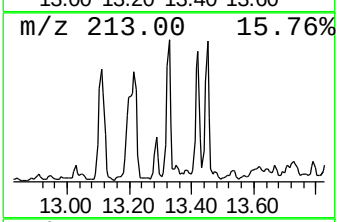


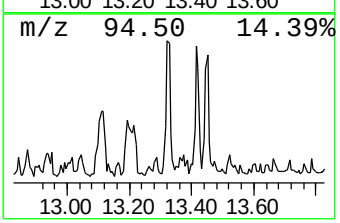












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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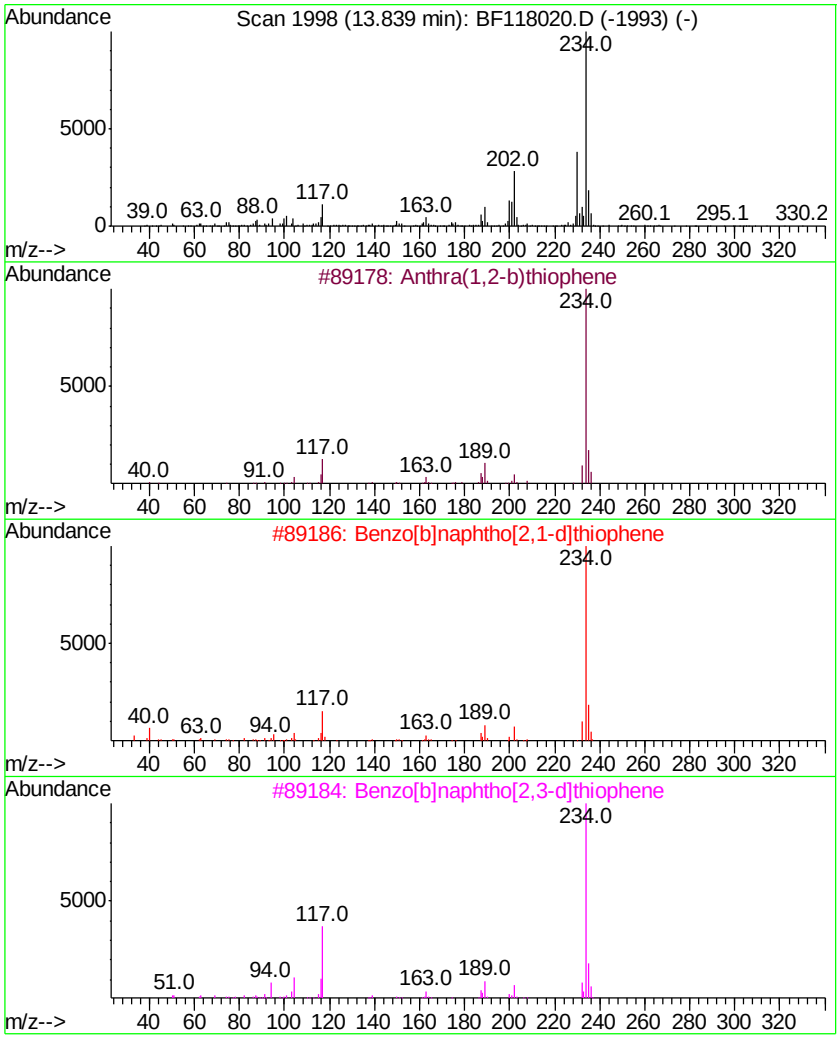
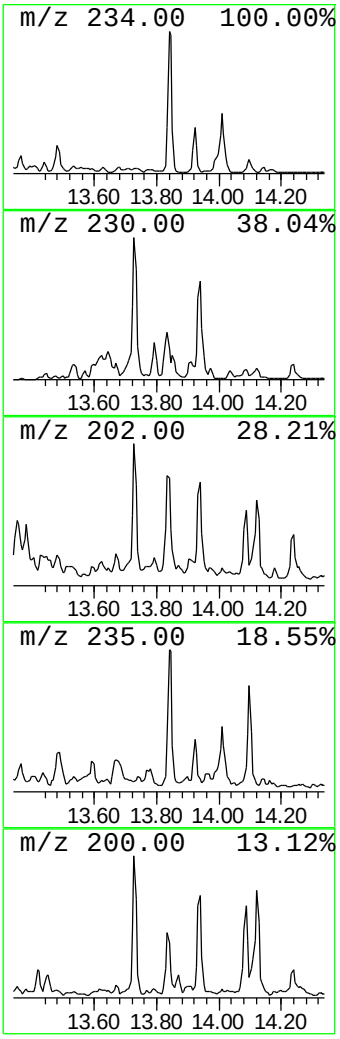
Peak Number 18 Anthra(1,2-b)thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.18 ng	699988	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Benzo[1,2-b:4,3-b']dithiophene-4...	234	C11H6O2S2	041552-35-6	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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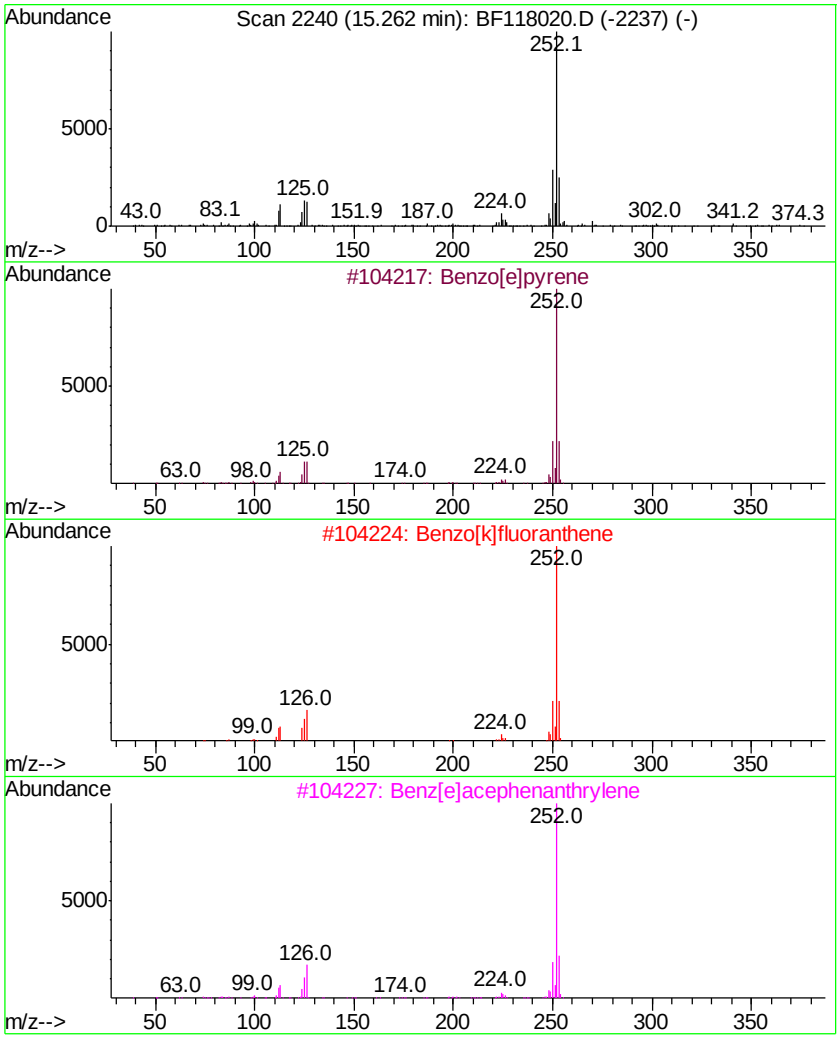
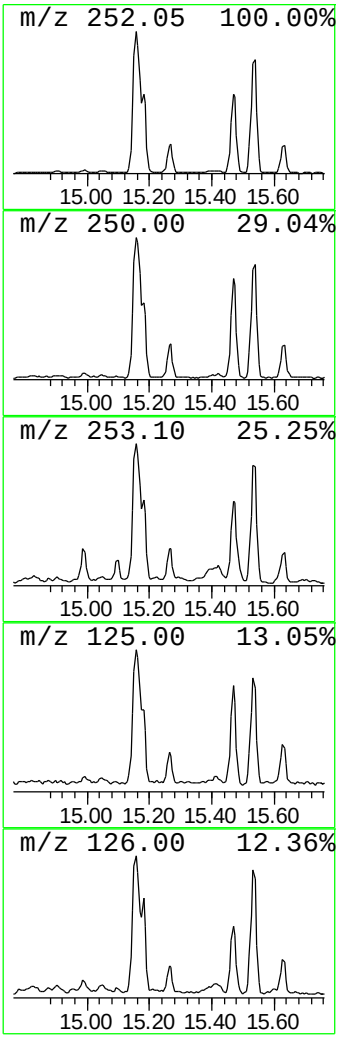
Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	5.23 ng	190245	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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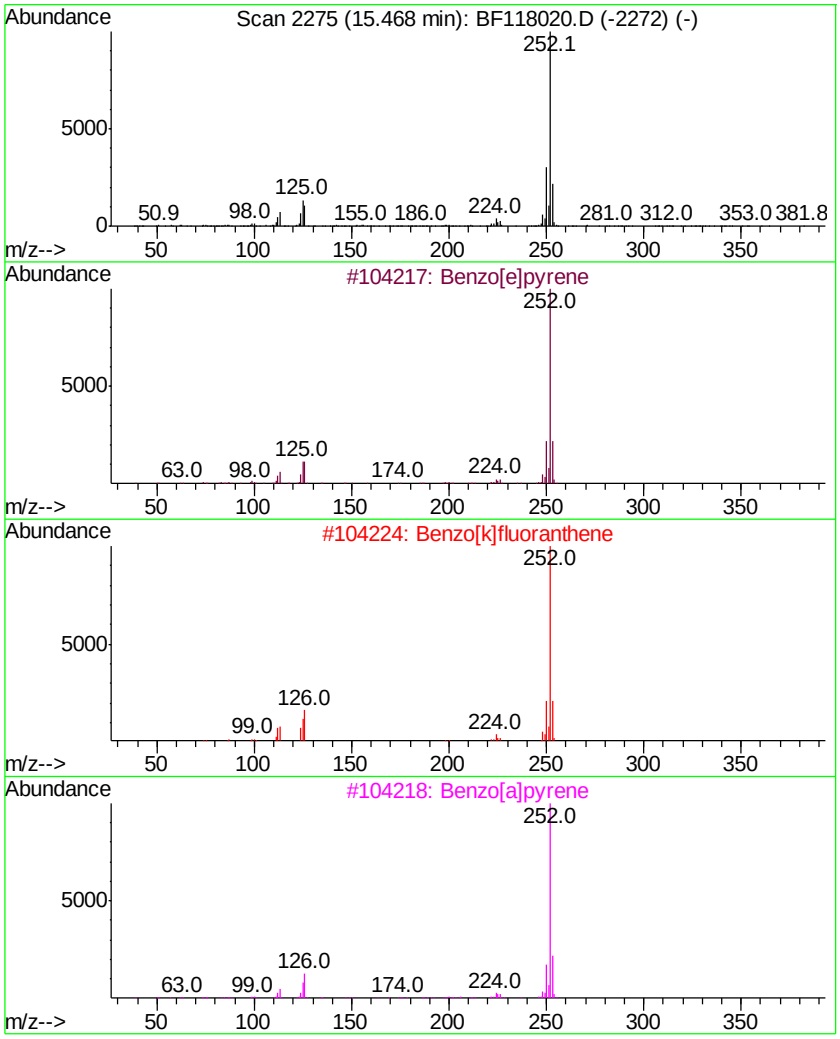
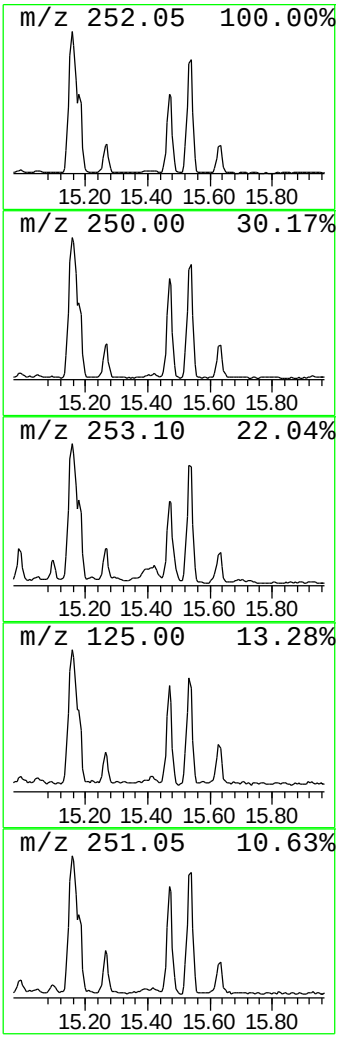
Peak Number 20 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	15.86 ng	576789	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112619\
Data File : BF118020.D
Acq On : 26 Nov 2019 21:16
Operator : JU
Sample : K5959-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WS-112019-0-2-COMP-B3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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-methoxy...	2.15	5.2	ng	200174	1	6.89	773461	20.0
unknown6.66	6.66	16.6	ng	641456	1	6.89	773461	20.0
Phenanthrene, 1-m...	11.94	16.0	ng	682837	4	11.44	852136	20.0
Phenanthrene, 2-m...	11.97	20.4	ng	868797	4	11.44	852136	20.0
Anthracene, 2-met...	12.02	8.0	ng	341991	4	11.44	852136	20.0
Anthracene, 1-met...	12.06	30.2	ng	1287830	4	11.44	852136	20.0
1H-Indene, 2-phenyl-	12.08	13.8	ng	588870	4	11.44	852136	20.0
Naphthalene, 2-ph...	12.24	13.4	ng	570935	4	11.44	852136	20.0
9,10-Anthracenedione	12.26	8.6	ng	365243	4	11.44	852136	20.0
Phenanthrene, 4,5...	12.39	7.1	ng	303532	4	11.44	852136	20.0
Phenanthrene, 1,7...	12.42	6.7	ng	283747	4	11.44	852136	20.0
Phenanthrene, 2,5...	12.50	25.9	ng	1103800	4	11.44	852136	20.0
Phenanthrene, 3,6...	12.53	17.4	ng	739607	4	11.44	852136	20.0
Cyclopenta(def)ph...	12.59	17.5	ng	747447	4	11.44	852136	20.0
Fluoranthene, 2-m...	13.10	8.1	ng	1093910	5	14.10	2700160	20.0
Pyrene, 1-methyl-	13.33	6.2	ng	833813	5	14.10	2700160	20.0
Anthra(1,2-b)thio...	13.84	5.2	ng	699988	5	14.10	2700160	20.0
Benzo[e]pyrene	15.26	5.2	ng	190245	6	15.60	727199	20.0
Perylene	15.47	15.9	ng	576789	6	15.60	727199	20.0