LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

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-BF081920.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	5.310	544	548	570	rBV	1012004	1175596	20.38%	1.509%
2	6.345	720	724	742	rBV	1037603	1229606	21.31%	1.578%
3	6.698	780	784	797	rVB	947378	855842	14.83%	1.098%
4	7.257	876	879	892	rBV	872947	824918	14.30%	1.059%
5	7.980	998	1002	1004	rBV	1273338	1077960	18.68%	1.383%
6	7.998	1004	1005	1019	rVB	152703	140519	2.44%	0.180%
7	9.051	1180	1184	1195	rVB	1854846	1546556	26.80%	1.985%
8	9.451	1248	1252	1257	rVB	149631	143143	2.48%	0.184%
9	9.592	1266	1276	1280	rBV	138324	144538	2.51%	0.185%
10	9.727	1291	1299	1302	rBV	1350551	1210546	20.98%	1.553%
11	9.763	1302	1305	1309	rVB	303902	262628	4.55%	0.337%
12	9.933	1330	1334	1339	rBV	182885	197194	3.42%	0.253%
13	10.274	1389	1392	1398	rVB	191500	172214	2.98%	0.221%
14	10.522	1430	1434	1439	rBV	746027	752174	13.04%	0.965%
15	11.021	1516	1519	1523	rVB	107804	97514	1.69%	0.125%
16	11.063	1523	1526	1531	rVV4	55018	82565	1.43%	0.106%
17	11.110	1531	1534	1540	rVB	234411	205841	3.57%	0.264%
18	11.216	1548	1552	1554	rBV	1181500	1229782	21.31%	1.578%
19	11.239	1554	1556	1559	rVV	2740623	2447304	42.42%	3.140%
20	11.292	1559	1565	1568	rVV	1023260	995460	17.25%	1.277%
21	11.321	1568	1570	1574	rVB	142040	137568	2.38%	0.177%
22	11.445	1585	1591	1599	rBV2	459208	616256	10.68%	0.791%
23	11.510	1599	1602	1606	rVV3	128773	136992	2.37%	0.176%
24	11.551	1606	1609	1612	rVV2	55500	78833	1.37%	0.101%
25	11.592	1612	1616	1620	rVV4	45857	87394	1.51%	0.112%
26	11.716	1632	1637	1639	rBV	405255	367344	6.37%	0.471%
27	11.745	1639	1642	1646	rVV	617750	584029	10.12%	0.749%
28	11.792	1646	1650	1653	rVV	280187	241295	4.18%	0.310%
29	11.827	1653	1656	1658	rVV	575011	602199	10.44%	0.773%
30	11.851	1658	1660	1665	rVB	293138	249395	4.32%	0.320%
31	11.898	1665	1668	1670	rBV	90582	82036	1.42%	0.105%
32	12.010	1684	1687	1690	rVB	380945	288432	5.00%	0.370%
33	12.157	1708	1712	1715	rBV4	100259	118247	2.05%	0.152%
34	12.216	1720	1722	1725	rVB	88662	72416	1.26%	0.093%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.263	1726	1730	1733	rBV	217996	248155	4.30%	0.318%
36	12.304	1733	1737	1739	rBV2	111863	116357	2.02%	0.149%
37	12.357	1743	1746	1750	rVB	203142	231607	4.01%	0.297%
38	12.433	1754	1759	1763	rBV	3533892	4183889	72.51%	5.369%
39	12.492	1767	1769	1771	rVB	118868	85547	1.48%	0.110%
40	12.521	1771	1774	1778	rBV	133668	147283	2.55%	0.189%
41	12.574	1780	1783	1786	rVV2	206891	173208	3.00%	0.222%
42	12.663	1791	1798	1803	rBV2	3495753	5078630	88.02%	6.517%
43	12.704	1803	1805	1811	rVB2	309364	297012	5.15%	0.381%
44	12.774	1814	1817	1819	rBV	420283	423966	7.35%	0.544%
45	12.798	1819	1821	1823	rBV	1239496	979477	16.98%	1.257%
46	12.880	1828	1835	1838	rBV3	403907	696127	12.07%	0.893%
47	12.910	1838	1840	1842	rVB	110829	81701	1.42%	0.105%
48	12.963	1845	1849	1850	rBV3	352181	384250	6.66%	0.493%
49	12.986	1850	1853	1856	rVB	677672	666096	11.54%	0.855%
50	13.051	1861	1864	1866	rVB	469122	369749	6.41%	0.474%
51	13.086	1866	1870	1873	rBV2	634554	713592	12.37%	0.916%
52	13.145	1878	1880	1883	rVB	134604	100111	1.74%	0.128%
53	13.180	1883	1886	1889	rBV	328895	283686	4.92%	0.364%
54	13.210	1889	1891	1895	rBV2	339324	330819	5.73%	0.425%
55	13.374	1914	1919	1922	rBV4	140336	244415	4.24%	0.314%
56	13.410	1922	1925	1927	rVB	167015	154498	2.68%	0.198%
57	13.468	1932	1935	1937	rBV	126385	139695	2.42%	0.179%
58	13.498	1937	1940	1944	rVB	356250	330337	5.73%	0.424%
59	13.604	1953	1958	1960	rBV	552965	572219	9.92%	0.734%
60	13.627	1960	1962	1965	rBV	575170	521194	9.03%	0.669%
61	13.657	1965	1967	1968	rBV	467842	359859	6.24%	0.462%
62	13.704	1973	1975	1982	rVV	273616	383403	6.65%	0.492%
63	13.774	1985	1987	1990	rVB	165729	156339	2.71%	0.201%
64	13.857	1993	2001	2004	rBV2	3173230	5769774	100.00%	7.404%
65	13.892	2004	2007	2010	rVV	3158290	3492859	60.54%	4.482%
66	13.939	2013	2015	2017	rBV2	73243	68839	1.19%	0.088%
67	13.962	2017	2019	2021	rVV	412039	306469	5.31%	0.393%
68	14.004	2024	2026	2028	rBV2	134079	147065	2.55%	0.189%
69	14.051	2032	2034	2036	rVV	342651	282135	4.89%	0.362%
70	14.086	2036	2040	2043	rVB2	521849	630691	10.93%	0.809%
71	14.174	2053	2055	2057	rBV2	119160	120485	2.09%	0.155%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.204	2057	2060	2062	rVV2	386046	370728	6.43%	0.476%
73	14.245	2062	2067	2070	rVV	1032492	1151890	19.96%	1.478%
74	14.274	2070	2072	2076	rVV	507851	561628	9.73%	0.721%
75	14.327	2077	2081	2082	rVV3	353355	478761	8.30%	0.614%
76	14.368	2085	2088	2090	rVV	523178	566455	9.82%	0.727%
77	14.386	2090	2091	2095	rVV2	443527	421906	7.31%	0.541%
78	14.439	2097	2100	2105	rVV2	329999	388948	6.74%	0.499%
79	14.486	2106	2108	2111	rVV	125285	113223	1.96%	0.145%
80	14.551	2117	2119	2121	rBV	151075	157137	2.72%	0.202%
81	14.621	2128	2131	2133	rBV	162828	162470	2.82%	0.208%
82	14.727	2145	2149	2152	rBV	362193	411361	7.13%	0.528%
83	14.780	2156	2158	2161	rVB2	126720	117067	2.03%	0.150%
84	14.892	2170	2177	2179	rBV	2813770	5255458	91.09%	6.744%
85	14.980	2189	2192	2195	rVB	1042545	1028097	17.82%	1.319%
86	15.062	2202	2206	2207	rBV2	285342	369349	6.40%	0.474%
87	15.174	2218	2225	2230	rVB	1878009	2958793	51.28%	3.797%
88	15.239	2230	2236	2239	rBV	2632948	3789654	65.68%	4.863%
89	15.286	2240	2244	2246	rVV	783821	1033002	17.90%	1.326%
90	15.315	2246	2249	2254	rVB2	1116178	1421797	24.64%	1.824%
91	15.445	2268	2271	2273	rBV	150862	183907	3.19%	0.236%
92	15.727	2317	2319	2322	rVB	121310	116448	2.02%	0.149%
93	15.804	2329	2332	2336	rVB	220258	267656	4.64%	0.343%
94	16.468	2441	2445	2448	rBV2	243350	381125	6.61%	0.489%
95	16.668	2470	2479	2484	rBV	1478508	3208087	55.60%	4.117%
96	16.721	2485	2488	2497	rVB	240709	359477	6.23%	0.461%
97	16.815	2498	2504	2509	rBV	499767	1062083	18.41%	1.363%
98	16.874	2509	2514	2518	rVV2	338121	555895	9.63%	0.713%
99	17.086	2541	2550	2558	rVB	1034228	2337754	40.52%	3.000%
100	17.292	2580	2585	2597	rVB2	378760	973619	16.87%	1.249%

Sum of corrected areas: 77929649

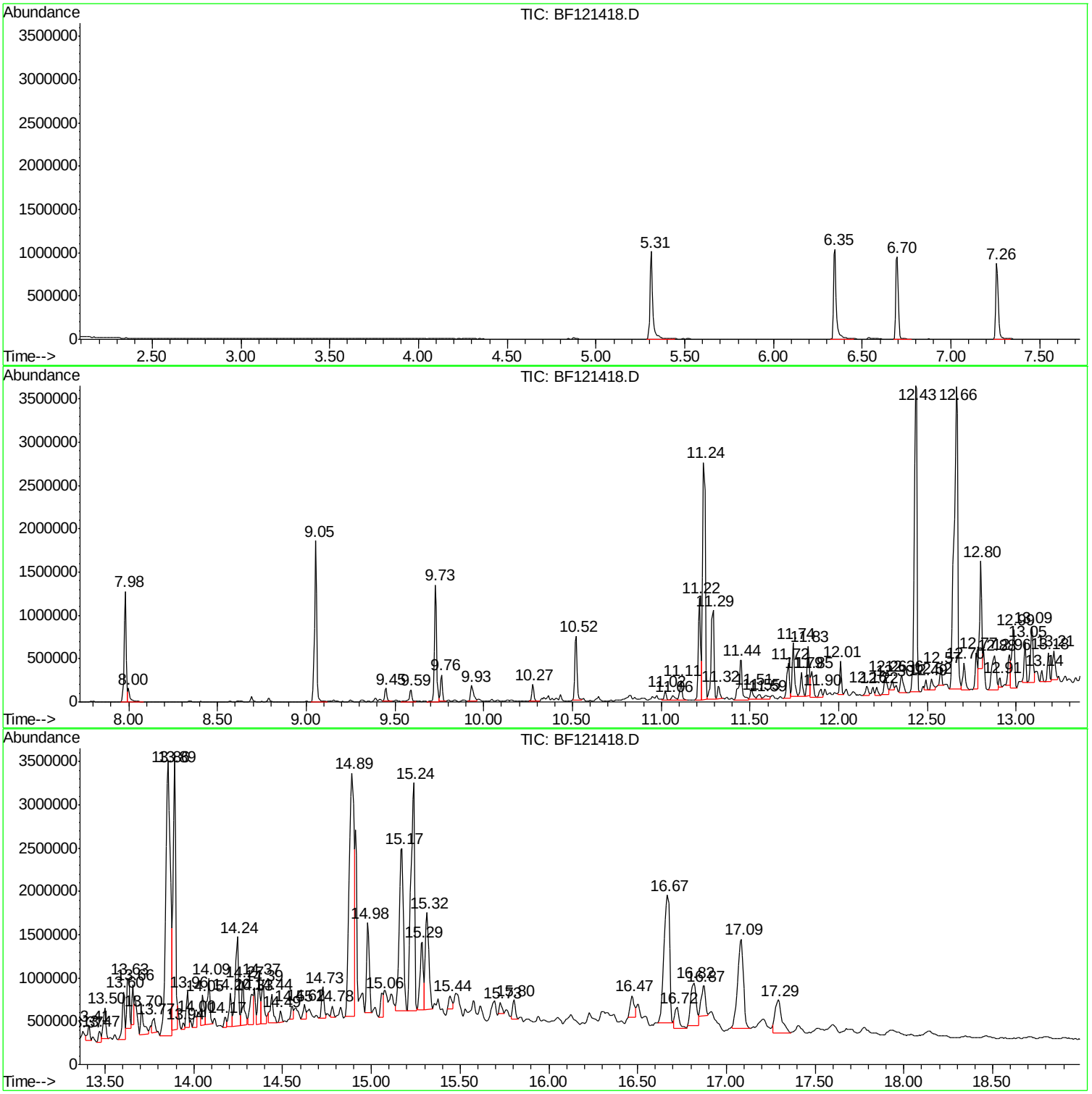
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

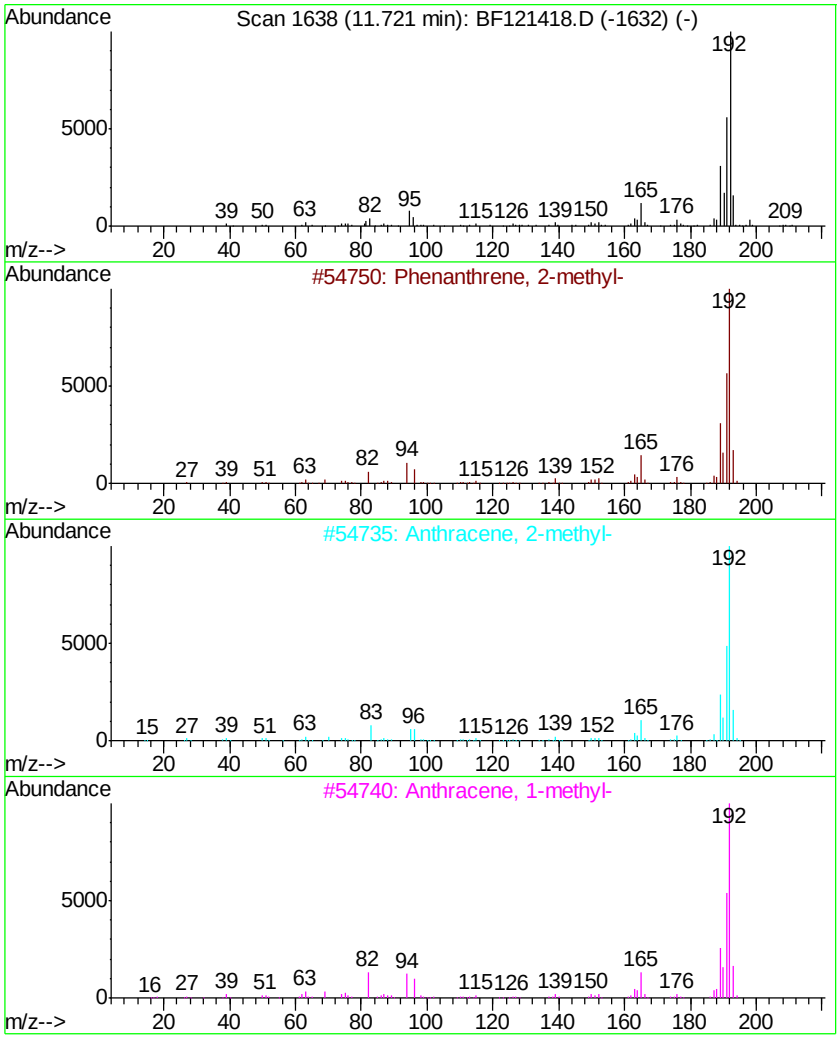
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

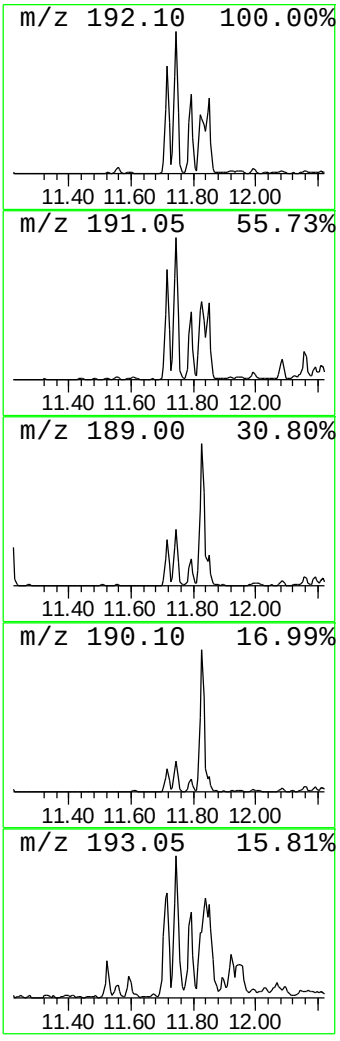
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	5.97 ng	367344	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

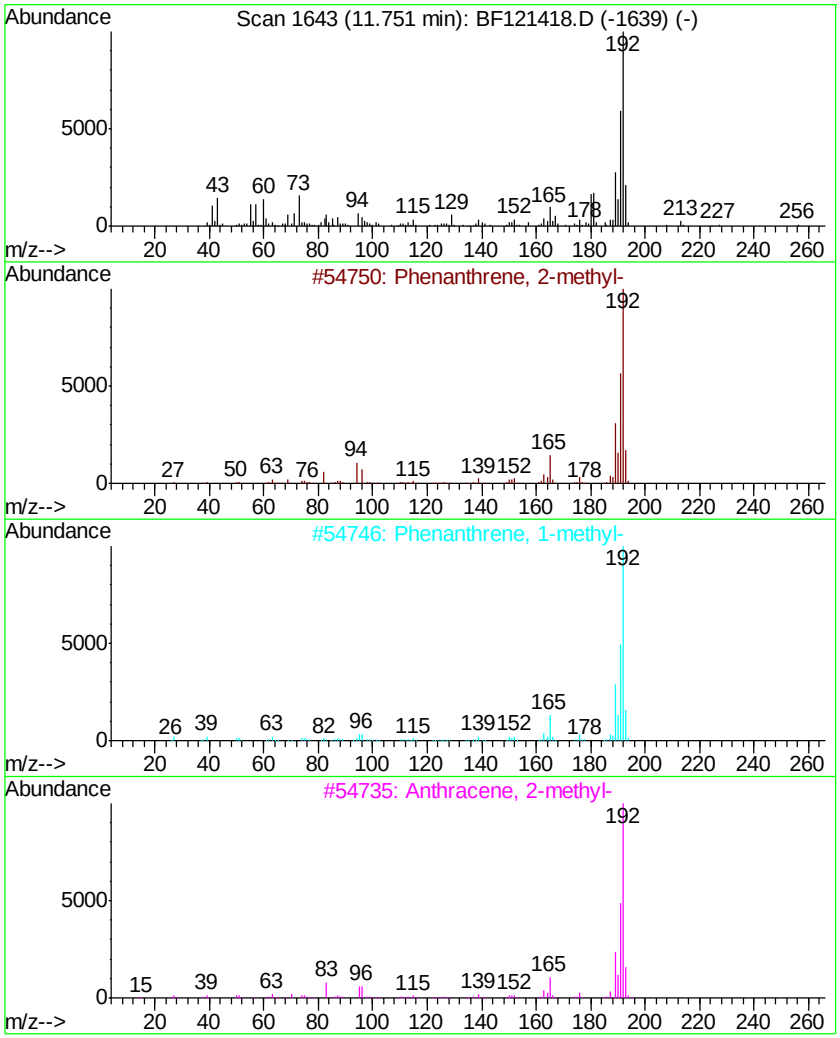
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

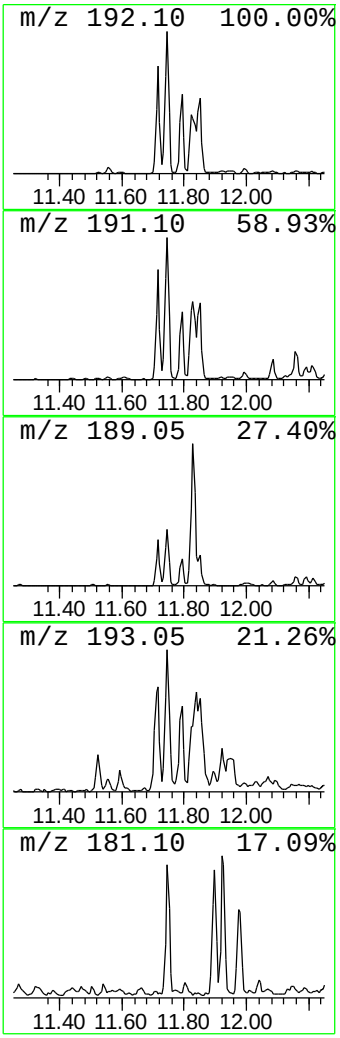
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	9.50 ng	584029	Phenanthrene-d10	11.22

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

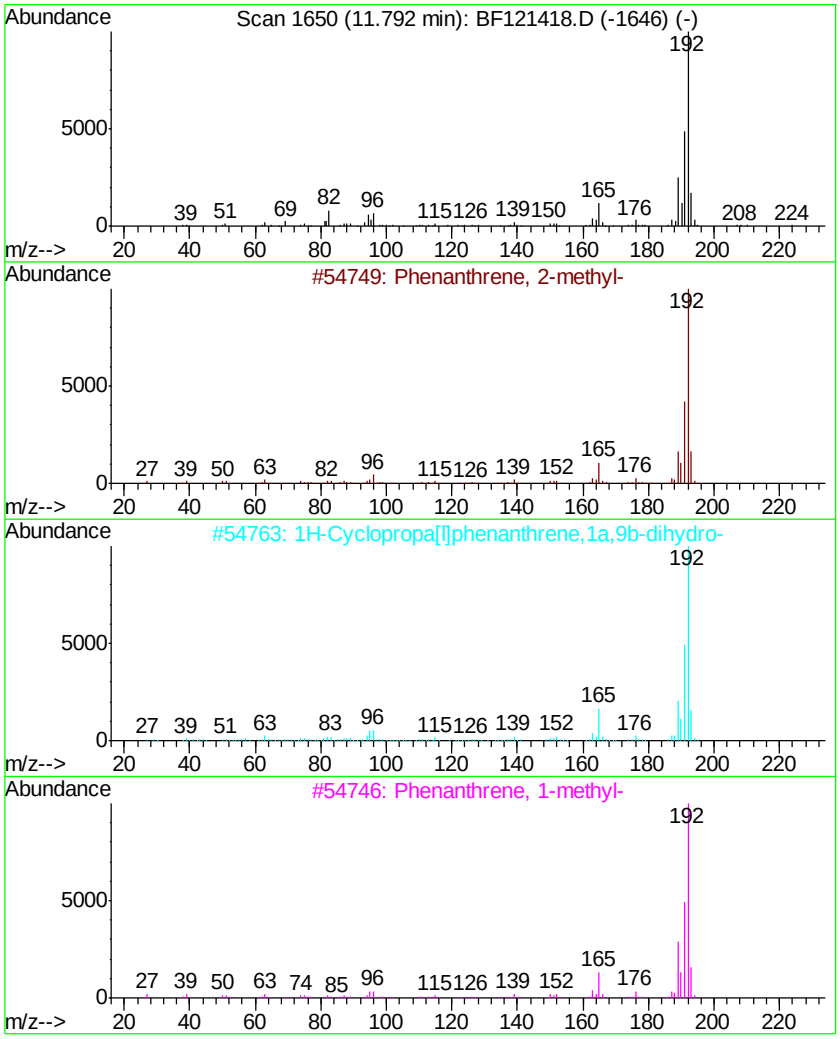
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

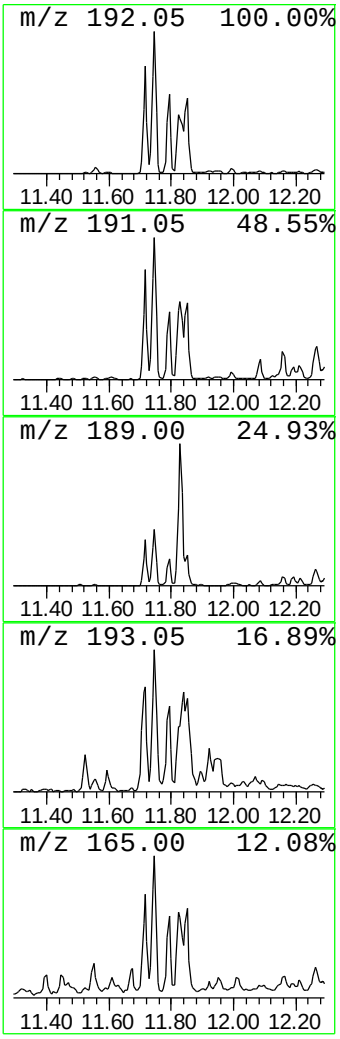
****

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.92 ng	241295	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

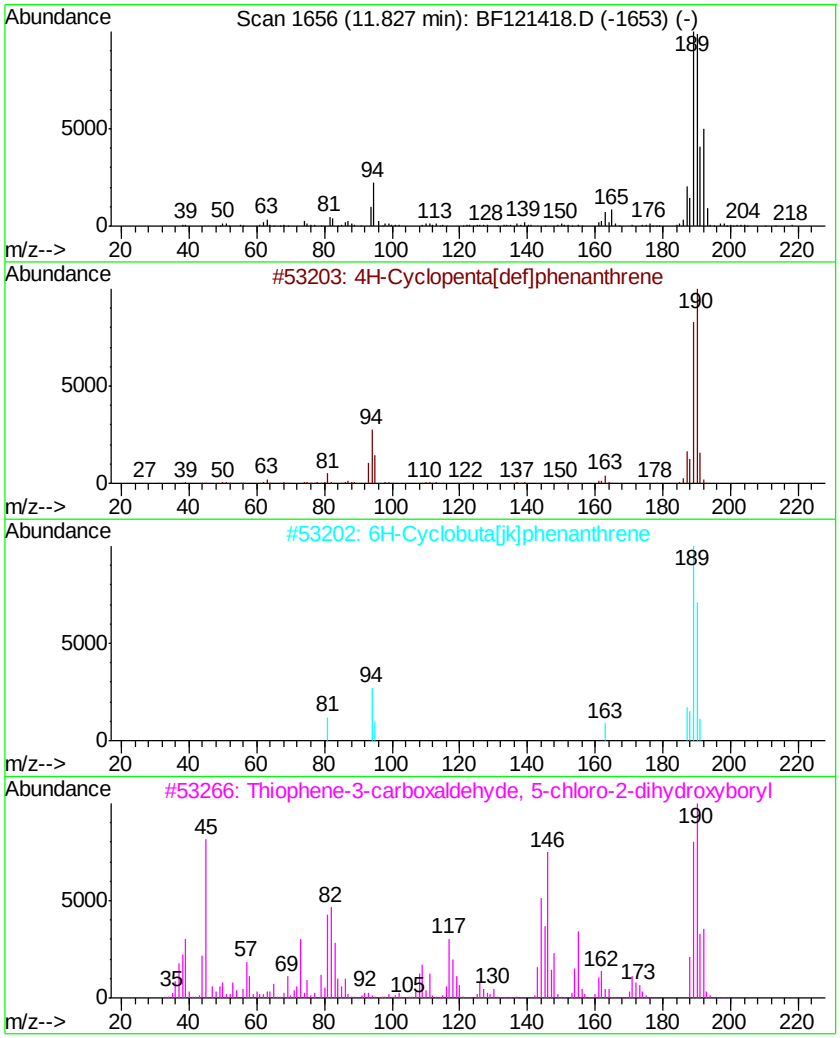
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

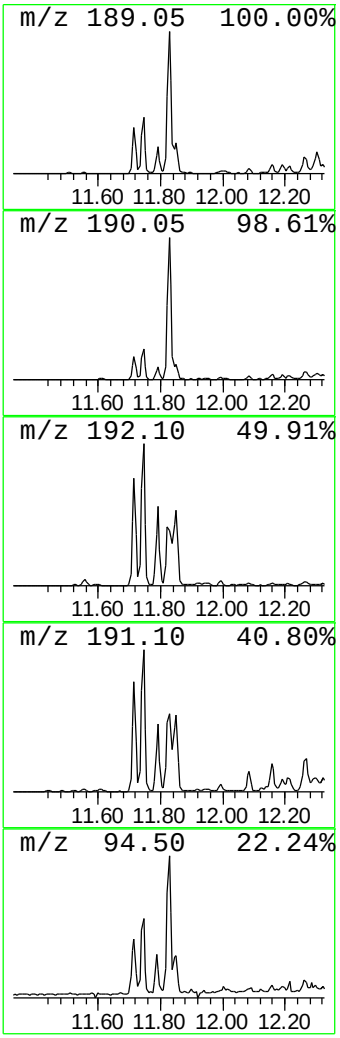
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	9.79 ng	602199	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

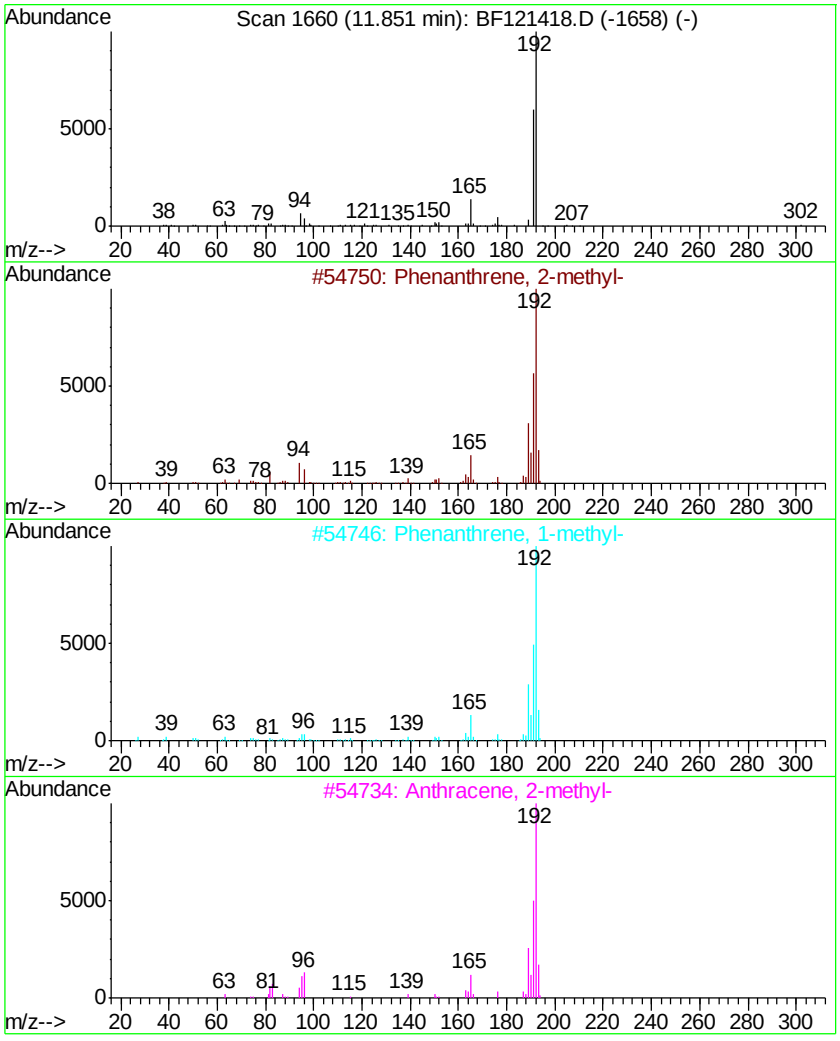
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

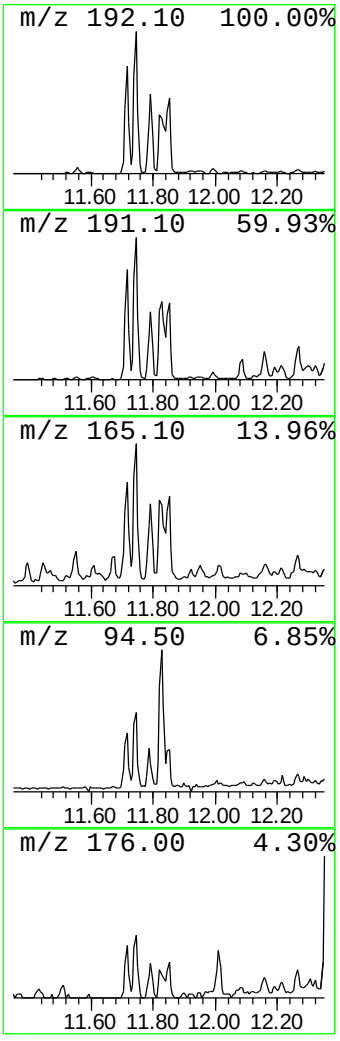
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	4.06 ng	249395	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

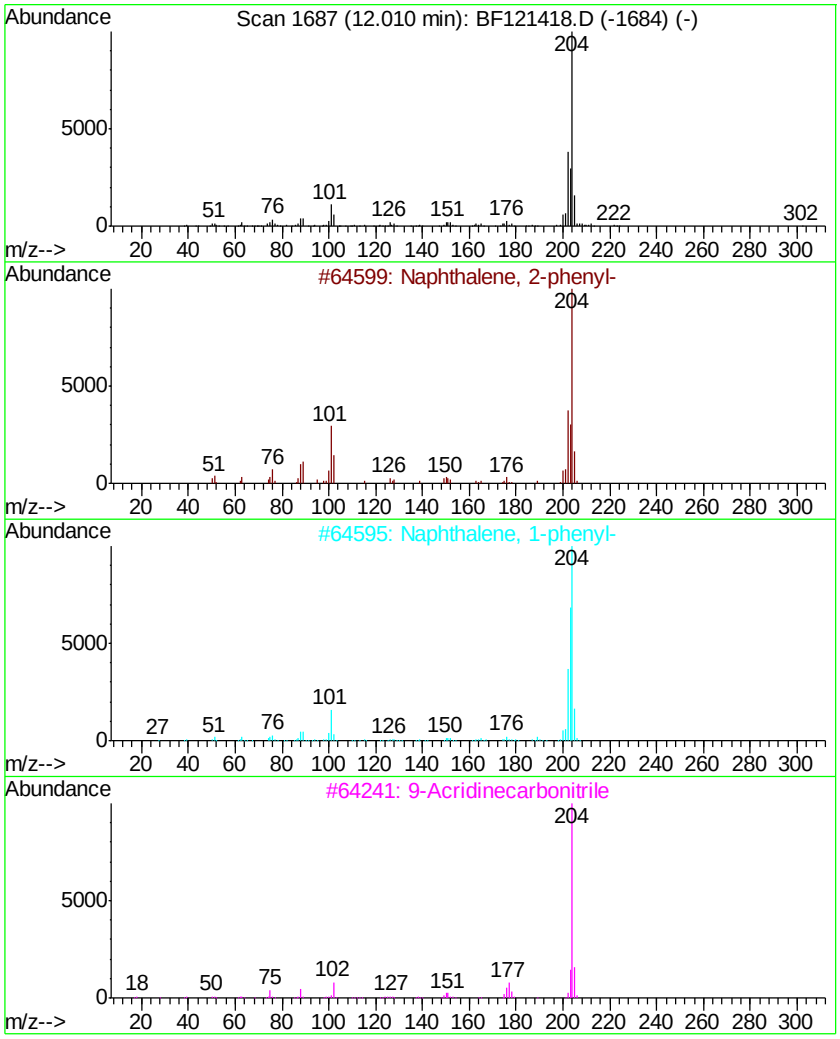
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

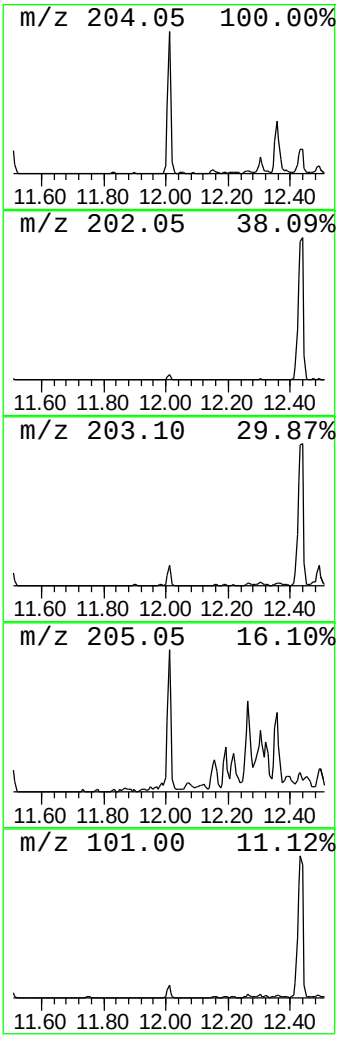
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.69 ng	288432	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

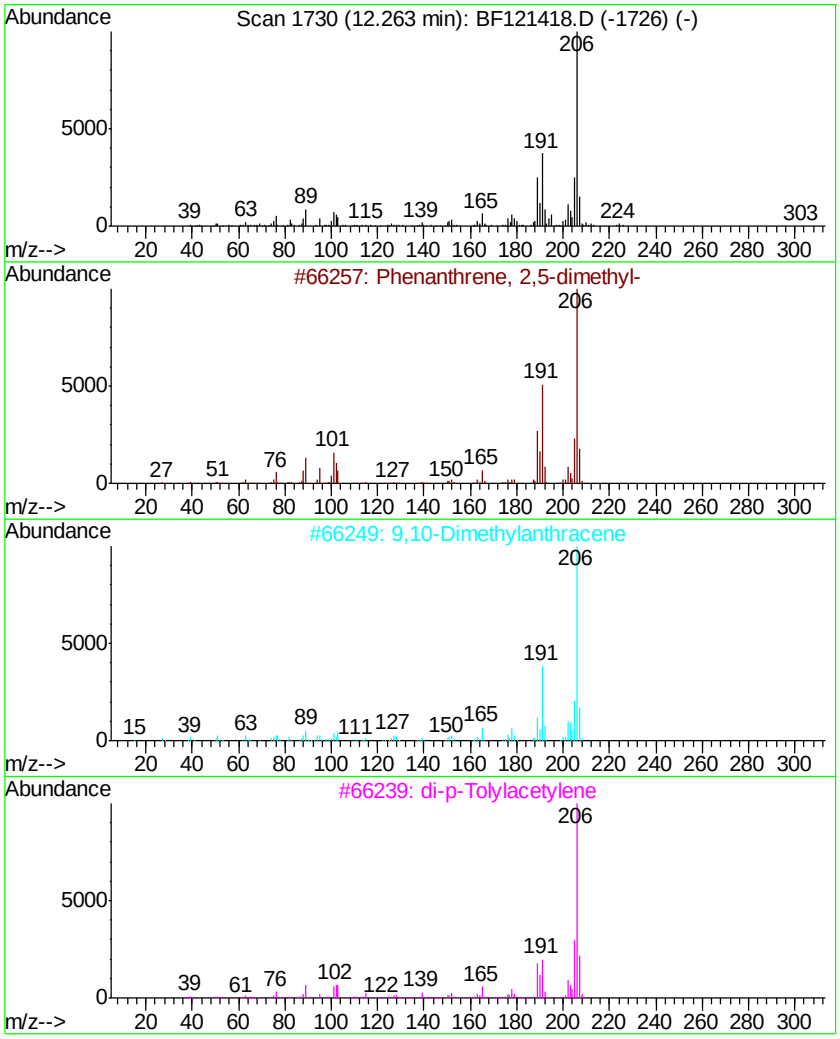
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

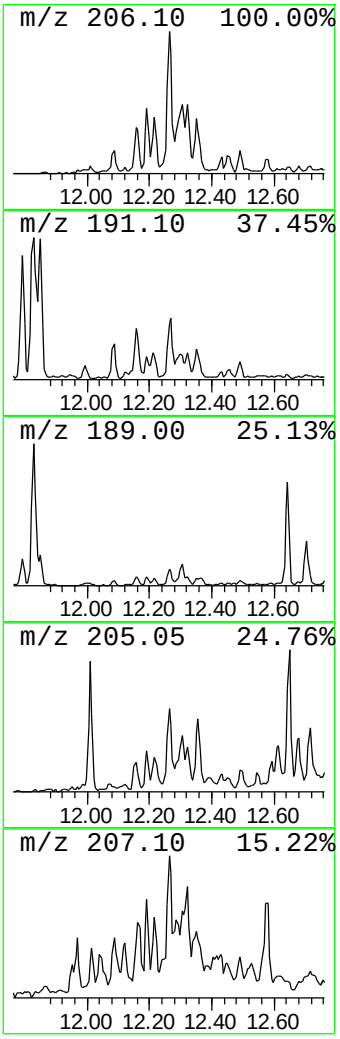
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	4.04 ng	248155	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

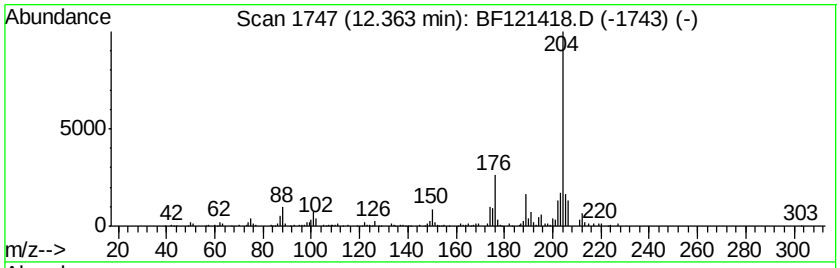
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

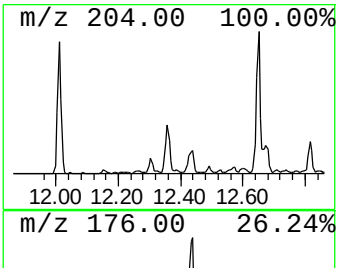
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	3.77 ng	231607	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

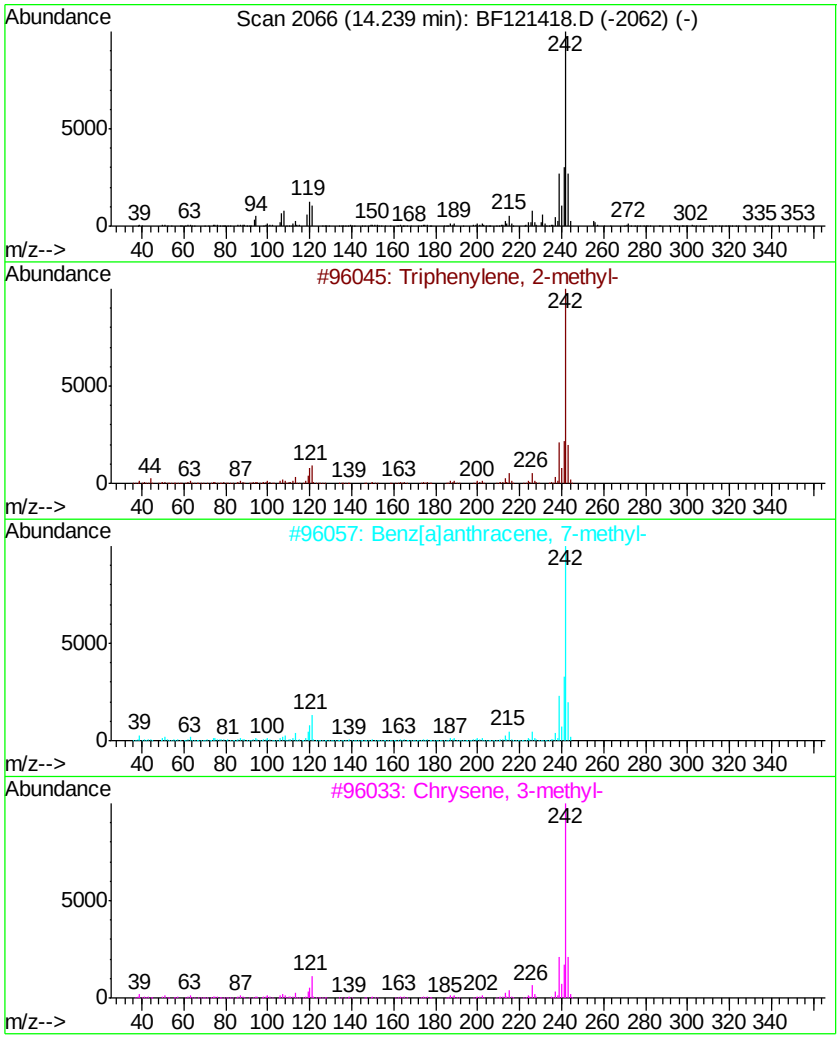
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

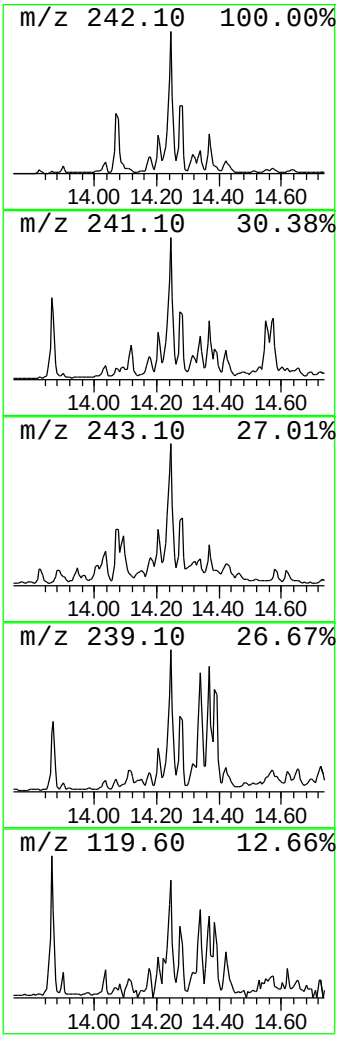
****

Peak Number 9 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	3.99 ng	1151890	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
4	2-Methylchrysene	242	C19H14	003351-32-4	95
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

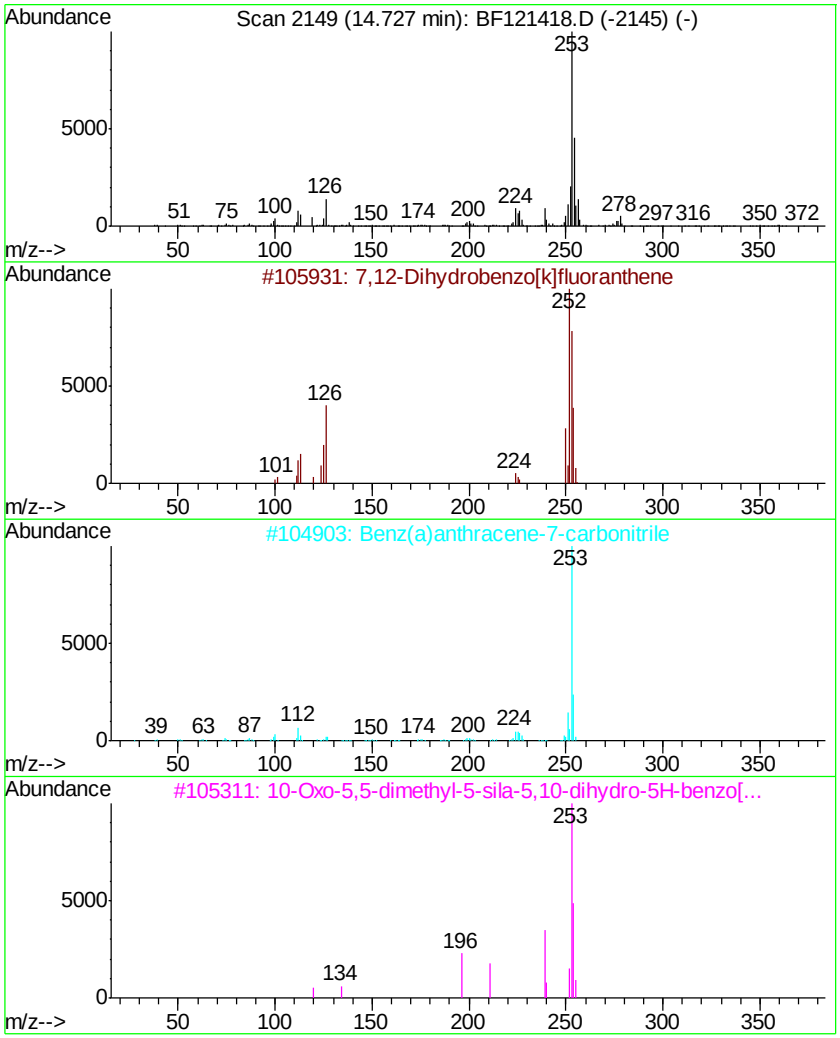
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

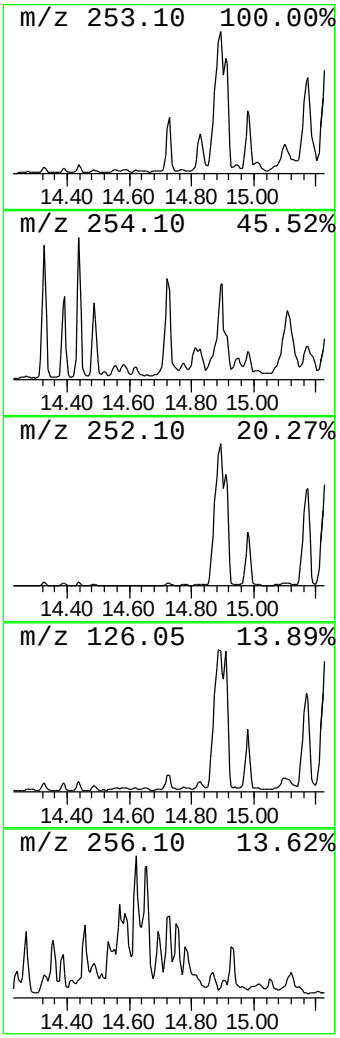
****

Peak Number 10 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	7.96 ng	411361	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
3	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	59
4	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	53
5	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

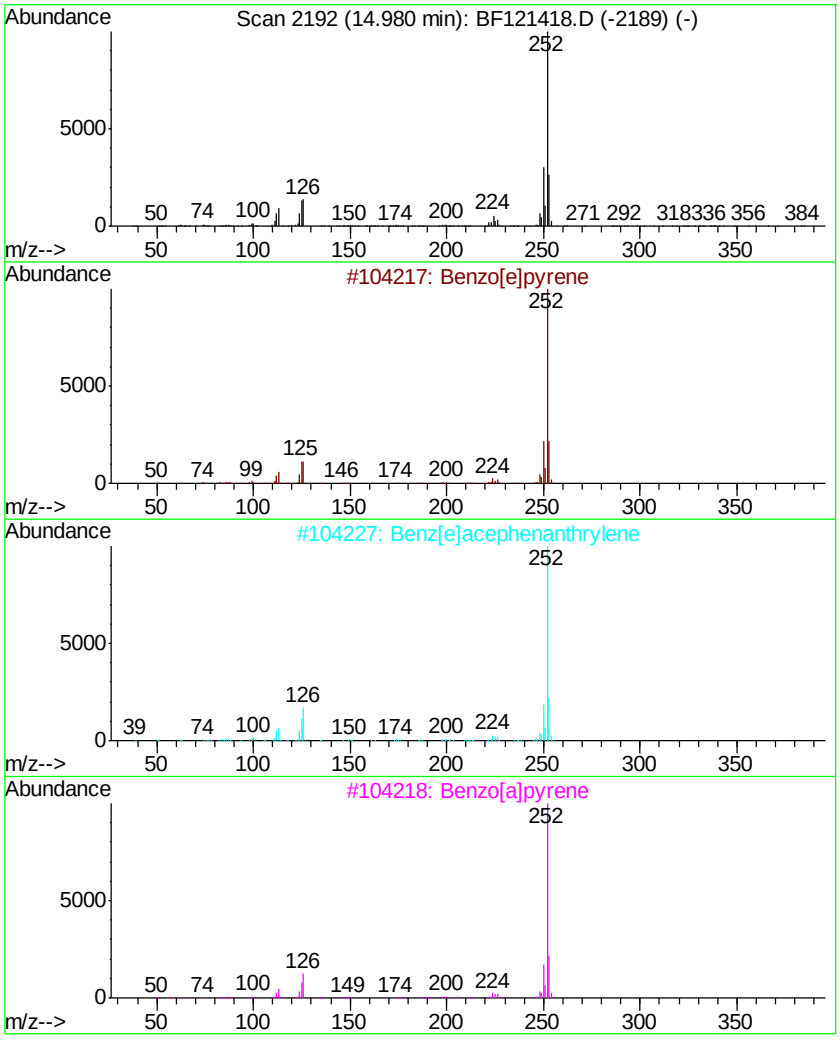
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

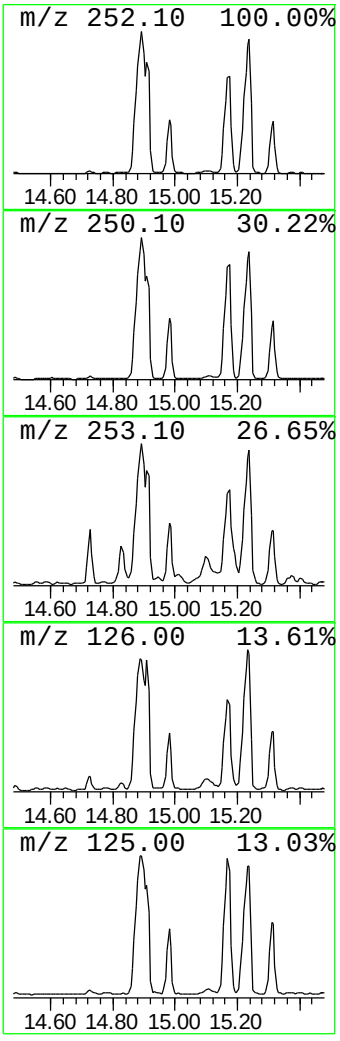
****

Peak Number 11 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	19.91 ng	1028100	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

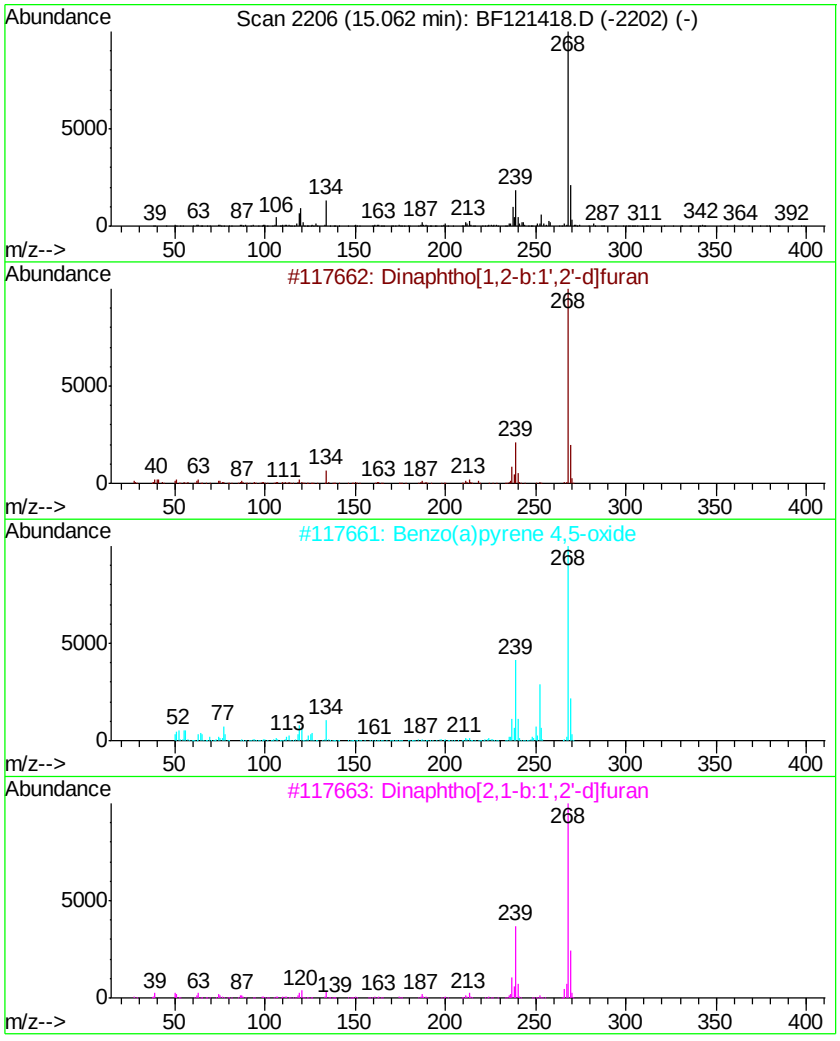
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

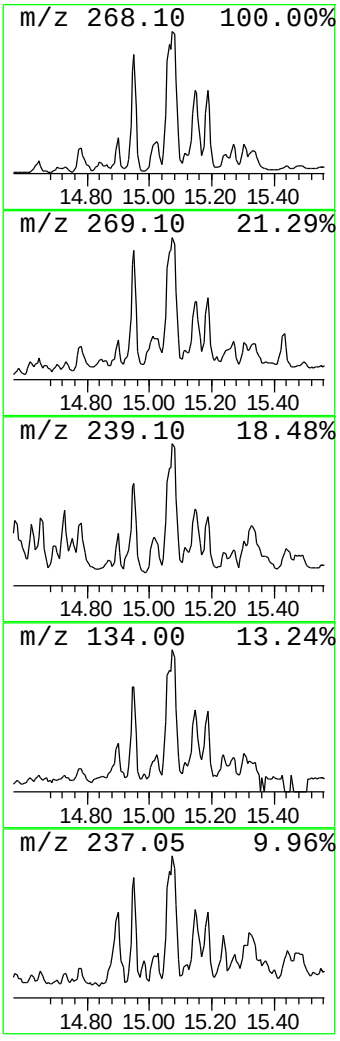
****

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	7.15 ng	369349	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	87
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	72
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

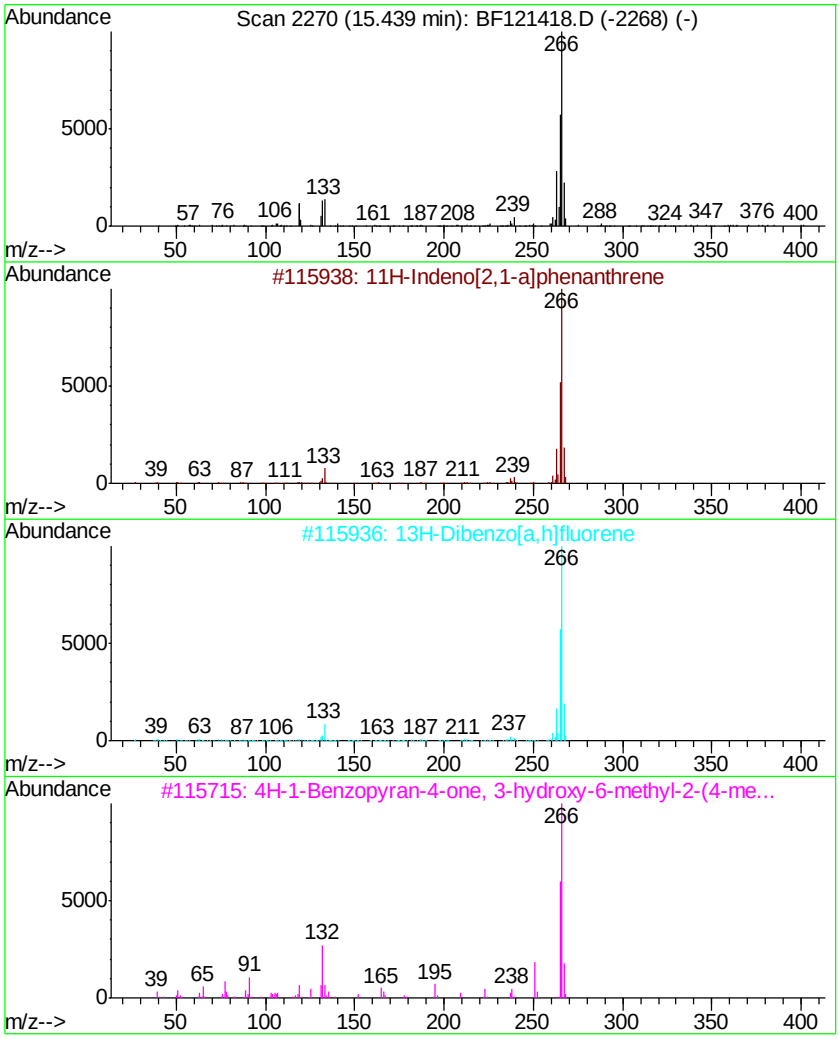
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

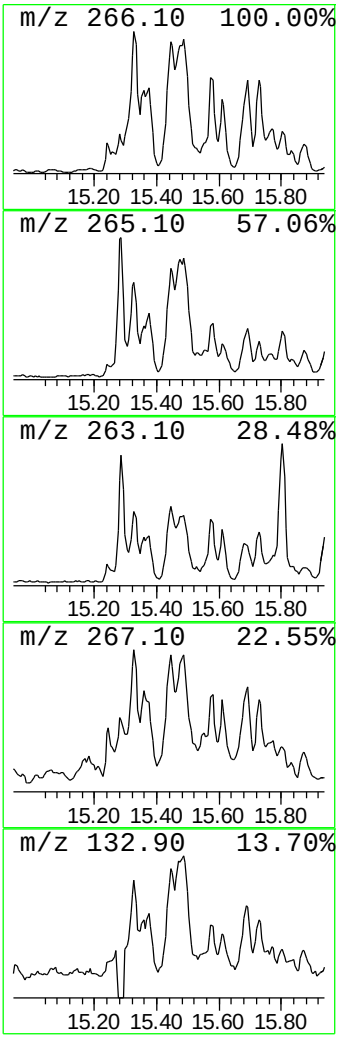
****

Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	3.56 ng	183907	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	89
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	89
3	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	72
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	59
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

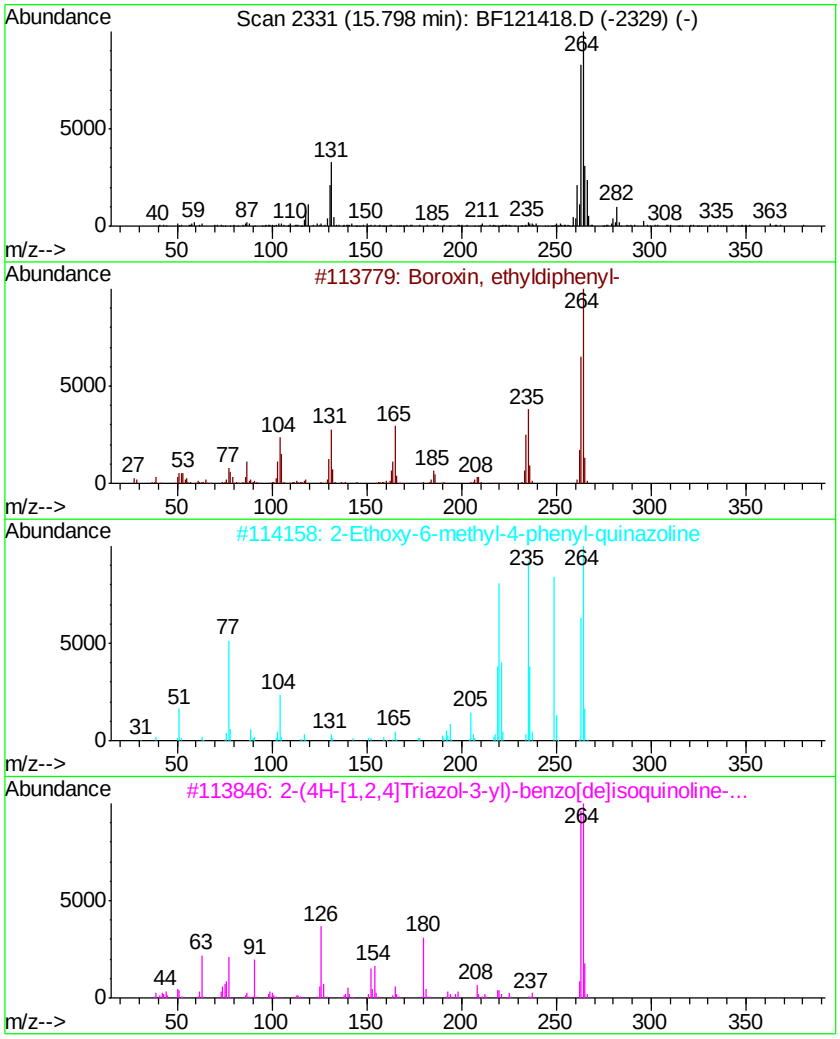
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

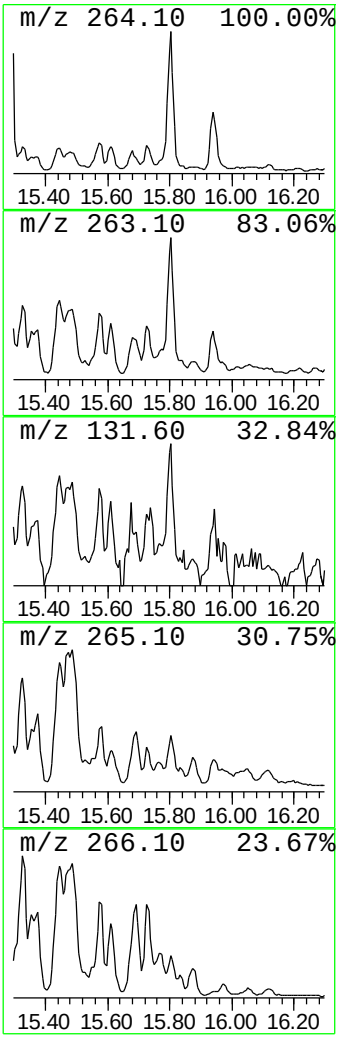
****

Peak Number 15 Boroxin, ethyldiphenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	5.18 ng	267656	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	47
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	40
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
5	10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

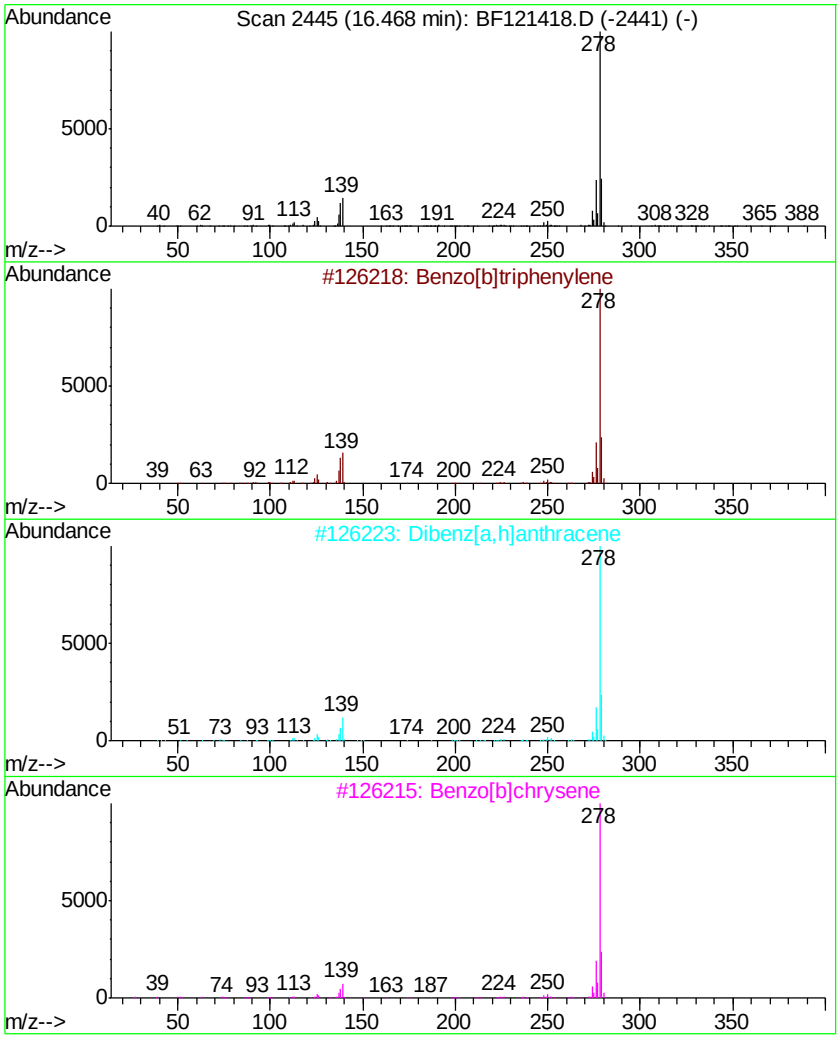
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

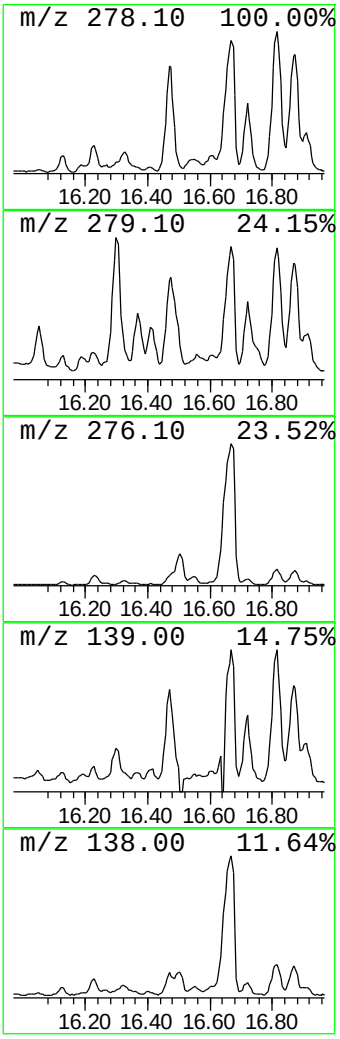
****

Peak Number 16 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	7.38 ng	381125	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3	Benzo[b]chrysene	278	C22H14	000214-17-5	95
4	Pentacene	278	C22H14	000135-48-8	93
5	Picene	278	C22H14	000213-46-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

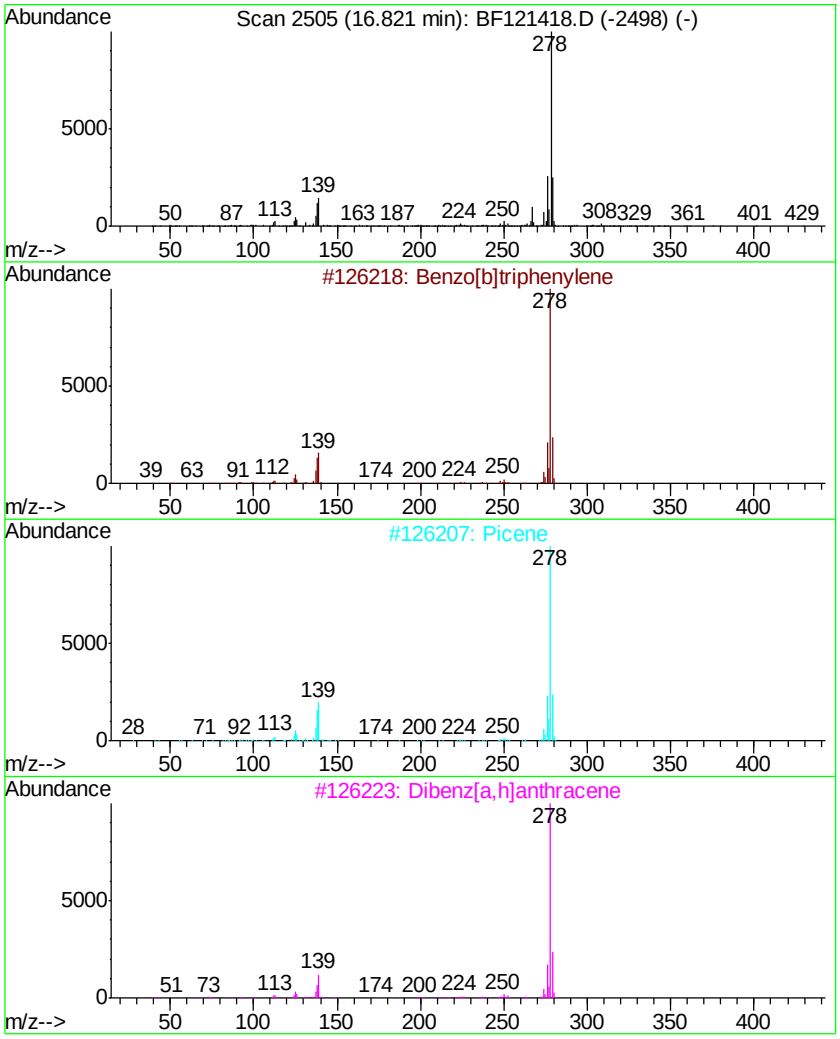
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

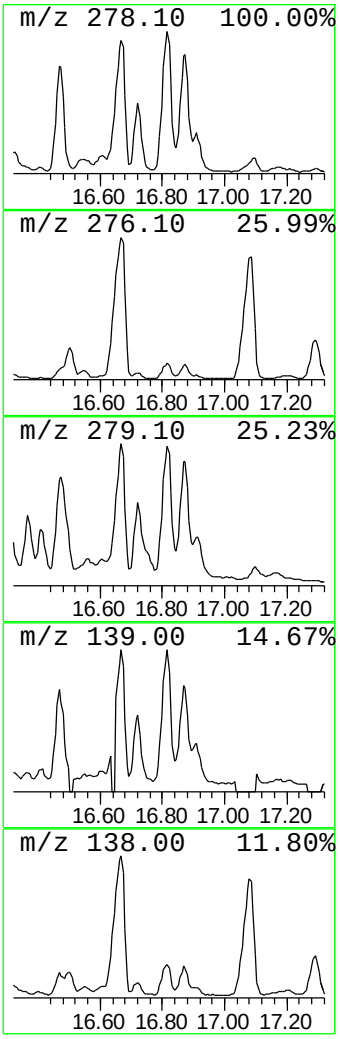
****

Peak Number 18 Picene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	20.56 ng	1062080	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	97
5	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

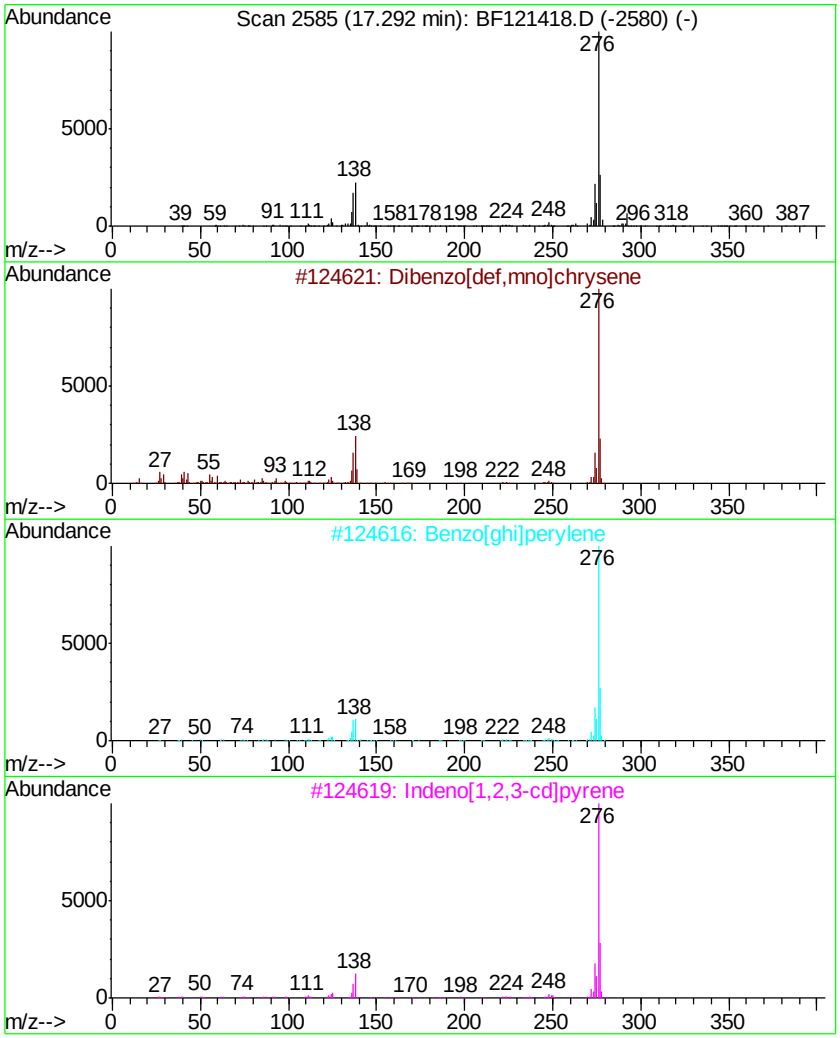
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

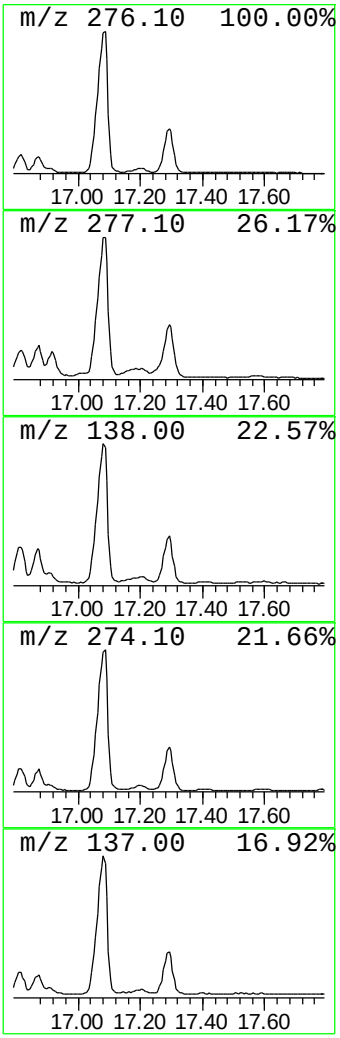
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	18.85 ng	973619	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 349-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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
Phenanthrene, 2-m...	11.72	6.0	ng	367344	4	11.22	1229780	20.0
Phenanthrene, 1-m...	11.75	9.5	ng	584029	4	11.22	1229780	20.0
1H-Cyclopropa[l]p...	11.79	3.9	ng	241295	4	11.22	1229780	20.0
4H-Cyclopenta[def...	11.83	9.8	ng	602199	4	11.22	1229780	20.0
Anthracene, 2-met...	11.85	4.1	ng	249395	4	11.22	1229780	20.0
Naphthalene, 2-ph...	12.01	4.7	ng	288432	4	11.22	1229780	20.0
Phenanthrene, 2,5...	12.26	4.0	ng	248155	4	11.22	1229780	20.0
Cyclopenta(def)ph...	12.36	3.8	ng	231607	4	11.22	1229780	20.0
Triphenylene, 2-m...	14.24	4.0	ng	1151890	5	13.86	5769770	20.0
7,12-Dihydrobenzo...	14.73	8.0	ng	411361	6	15.29	1033000	20.0
Benzo[e]pyrene	14.98	19.9	ng	1028100	6	15.29	1033000	20.0
Dinaphtho[1,2-b:1...	15.06	7.2	ng	369349	6	15.29	1033000	20.0
11H-Indeno[2,1-a]...	15.44	3.6	ng	183907	6	15.29	1033000	20.0
Boroxin, ethyldip...	15.80	5.2	ng	267656	6	15.29	1033000	20.0
Benzo[b]triphenylene	16.47	7.4	ng	381125	6	15.29	1033000	20.0
Picene	16.82	20.6	ng	1062080	6	15.29	1033000	20.0
Dibenzo[def,mno]c...	17.29	18.9	ng	973619	6	15.29	1033000	20.0