LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

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-BF022020.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	6.392	729	732	743	rVB	567545	596346	2.61%	0.180%
2	6.757	790	794	801	rBV	895009	801620	3.50%	0.242%
3	7.016	834	838	846	rBV	579936	634566	2.77%	0.192%
4	8.039	1007	1012	1013	rVV	1062305	1033544	4.52%	0.312%
5	8.063	1013	1016	1019	rVV	4029856	3392715	14.83%	1.025%
6	8.751	1129	1133	1136	rBV	1989308	1561991	6.83%	0.472%
7	8.851	1145	1150	1153	rVB	1180845	1098421	4.80%	0.332%
8	9.110	1191	1194	1197	rVB	834031	666936	2.91%	0.201%
9	9.210	1205	1211	1215	rBV2	620359	701567	3.07%	0.212%
10	9.374	1234	1239	1243	rBV	606442	816490	3.57%	0.247%
11	9.451	1248	1252	1254	rVV	1005367	968031	4.23%	0.292%
12	9.516	1259	1263	1268	rVB	1059097	974883	4.26%	0.294%
13	9.663	1282	1288	1291	rBV	6254970	7105655	31.06%	2.146%
14	9.786	1307	1309	1312	rVV	1016950	902685	3.95%	0.273%
15	9.822	1312	1315	1318	rVB2	743999	623607	2.73%	0.188%
16	9.992	1340	1344	1348	rVV	2045386	1912865	8.36%	0.578%
17	10.104	1359	1363	1366	rBV2	511464	673340	2.94%	0.203%
18	10.245	1384	1387	1389	rVB	824205	725995	3.17%	0.219%
19	10.339	1400	1403	1409	rVB	3357377	3427888	14.98%	1.035%
20	10.445	1418	1421	1426	rVV	680273	685176	2.99%	0.207%
21	10.492	1426	1429	1432	rVV	926996	919181	4.02%	0.278%
22	10.574	1437	1443	1448	rBV2	1241662	1537076	6.72%	0.464%
23	10.704	1461	1465	1471	rBV2	1191429	1298585	5.68%	0.392%
24	10.886	1491	1496	1499	rBV2	800709	1101778	4.82%	0.333%
25	11.039	1519	1522	1527	rVV	809624	1118104	4.89%	0.338%
26	11.086	1527	1530	1534	rVV	1291661	1391955	6.08%	0.420%
27	11.121	1534	1536	1539	rVV	522481	661242	2.89%	0.200%
28	11.168	1542	1544	1551	rVB	1472284	1715388	7.50%	0.518%
29	11.321	1559	1570	1572	rBV	8354884	13931264	60.89%	4.208%
30	11.363	1572	1577	1580	rVV	5940456	6755767	29.53%	2.041%
31	11.386	1580	1581	1584	rVB	905243	657920	2.88%	0.199%
32	11.504	1596	1601	1604	rBV	1140390	1322596	5.78%	0.400%
33	11.568	1610	1612	1616	rVB2	1096073	1014765	4.44%	0.307%
34	11.610	1616	1619	1623	rVB3	991617	1008476	4.41%	0.305%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.692	1630	1633	1637	rVB	890510	992467	4.34%	0.300%
36	11.780	1644	1648	1651	rVV	2574194	2765358	12.09%	0.835%
37	11.810	1651	1653	1656	rVV	3445271	2922045	12.77%	0.883%
38	11.857	1658	1661	1664	rVV	1557218	1615018	7.06%	0.488%
39	11.898	1664	1668	1670	rVV	4705339	5529774	24.17%	1.670%
40	11.916	1670	1671	1675	rVB	2190239	1537239	6.72%	0.464%
41	11.980	1680	1682	1685	rVB2	739870	609415	2.66%	0.184%
42	12.074	1694	1698	1700	rVV	2245747	2175654	9.51%	0.657%
43	12.110	1700	1704	1708	rVB2	1201730	1502409	6.57%	0.454%
44	12.257	1726	1729	1731	rBV	691001	697113	3.05%	0.211%
45	12.333	1738	1742	1745	rBV	1986450	2521828	11.02%	0.762%
46	12.374	1745	1749	1755	rVV3	1448760	2881164	12.59%	0.870%
47	12.439	1755	1760	1764	rVB2	1740231	2995113	13.09%	0.905%
48	12.527	1764	1775	1777	rBV	9594641	19433509	84.93%	5.870%
49	12.598	1784	1787	1792	rVB	3953231	4415165	19.30%	1.334%
50	12.651	1792	1796	1798	rBV	1677008	1906098	8.33%	0.576%
51	12.757	1805	1814	1816	rBV2	8928983	19924946	87.08%	6.019%
52	12.780	1816	1818	1822	rVB2	1747698	1710989	7.48%	0.517%
53	12.845	1826	1829	1834	rBV2	1948614	2807818	12.27%	0.848%
54	12.886	1834	1836	1840	rVB	1435211	1491661	6.52%	0.451%
55	12.951	1841	1847	1853	rBV4	2569169	5106075	22.32%	1.542%
56	13.062	1862	1866	1869	rVB	4323406	6239573	27.27%	1.885%
57	13.098	1869	1872	1873	rBV3	638060	619011	2.71%	0.187%
58	13.127	1873	1877	1880	rVV	3232536	3540240	15.47%	1.069%
59	13.168	1880	1884	1887	rVV2	2951300	3772297	16.49%	1.139%
60	13.227	1890	1894	1895	rBV2	1603015	1685421	7.37%	0.509%
61	13.257	1897	1899	1902	rVV	2130095	2303331	10.07%	0.696%
62	13.286	1902	1904	1907	rVB	2212768	2066534	9.03%	0.624%
63	13.457	1926	1933	1935	rBV5	1313939	2371474	10.36%	0.716%
64	13.539	1944	1947	1948	rBV	664051	697962	3.05%	0.211%
65	13.568	1949	1952	1956	rVB	1821727	2517505	11.00%	0.760%
66	13.680	1966	1971	1973	rBV2	2329485	3537376	15.46%	1.069%
67	13.704	1973	1975	1978	rVV	2726718	3014146	13.17%	0.910%
68	13.733	1978	1980	1986	rVV3	2962154	4567874	19.96%	1.380%
69	13.792	1986	1990	1994	rVB2	1657776	2708521	11.84%	0.818%
70	13.945	2007	2016	2018	rBV2	7841034	19110171	83.52%	5.773%
71	13.986	2021	2023	2027	rVV2	8065104	7271539	31.78%	2.197%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.045	2031	2033	2037	rVV3	1061291	1149310	5.02%	0.347%
73	14.086	2037	2040	2045	rVV3	2219957	3341596	14.60%	1.009%
74	14.127	2045	2047	2049	rVB	1104129	926142	4.05%	0.280%
75	14.157	2049	2052	2056	rBV2	1849636	2571671	11.24%	0.777%
76	14.280	2071	2073	2075	rBV2	896454	1020254	4.46%	0.308%
77	14.321	2077	2080	2083	rVB	2687066	2935007	12.83%	0.887%
78	14.357	2083	2086	2088	rVB2	1746465	1617627	7.07%	0.489%
79	14.398	2089	2093	2095	rBV3	883648	1329003	5.81%	0.401%
80	14.421	2095	2097	2099	rVB2	927185	746289	3.26%	0.225%
81	14.451	2099	2102	2104	rBV	2033119	2380915	10.41%	0.719%
82	14.509	2109	2112	2115	rVV2	1418317	1422568	6.22%	0.430%
83	14.557	2118	2120	2127	rVB2	549418	690201	3.02%	0.208%
84	14.645	2130	2135	2141	rVB4	795910	2006423	8.77%	0.606%
85	14.809	2159	2163	2168	rBV2	1108812	1847023	8.07%	0.558%
86	14.998	2184	2195	2201	rBV	6849014	22880774	100.00%	6.912%
87	15.092	2205	2211	2219	rVB	3485905	5901521	25.79%	1.783%
88	15.162	2219	2223	2227	rBV2	762752	1540025	6.73%	0.465%
89	15.280	2235	2243	2247	rBV	3978862	9194870	40.19%	2.777%
90	15.362	2247	2257	2260	rVV2	6272599	14263127	62.34%	4.308%
91	15.433	2264	2269	2273	rVB2	3449681	5023675	21.96%	1.517%
92	15.556	2285	2290	2293	rBV	931604	1750594	7.65%	0.529%
93	15.733	2316	2320	2325	rVB2	755347	1150631	5.03%	0.348%
94	15.927	2349	2353	2362	rVB2	1123063	1977607	8.64%	0.597%
95	16.845	2495	2509	2513	rBV2	3233978	10998746	48.07%	3.322%
96	16.880	2513	2515	2523	rVB	801506	970240	4.24%	0.293%
97	16.974	2525	2531	2536	rBV	1128894	2534141	11.08%	0.765%
98	17.033	2537	2541	2546	rBV2	606184	1113758	4.87%	0.336%
99	17.292	2571	2585	2592	rVB	2701821	8817432	38.54%	2.663%
100	17.497	2612	2620	2630	rVB2	1296910	3646696	15.94%	1.102%

Sum of corrected areas: 331050117

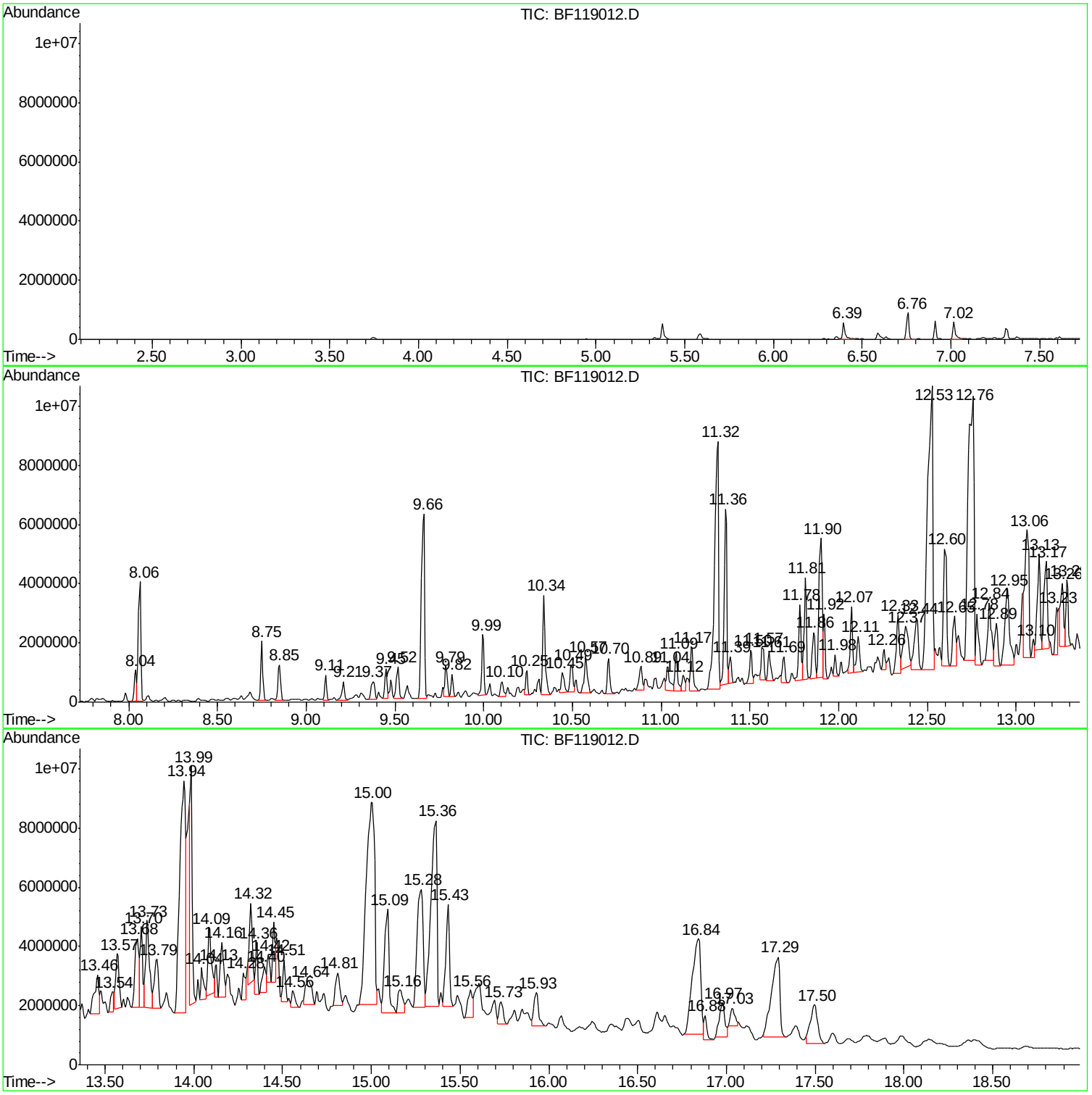
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

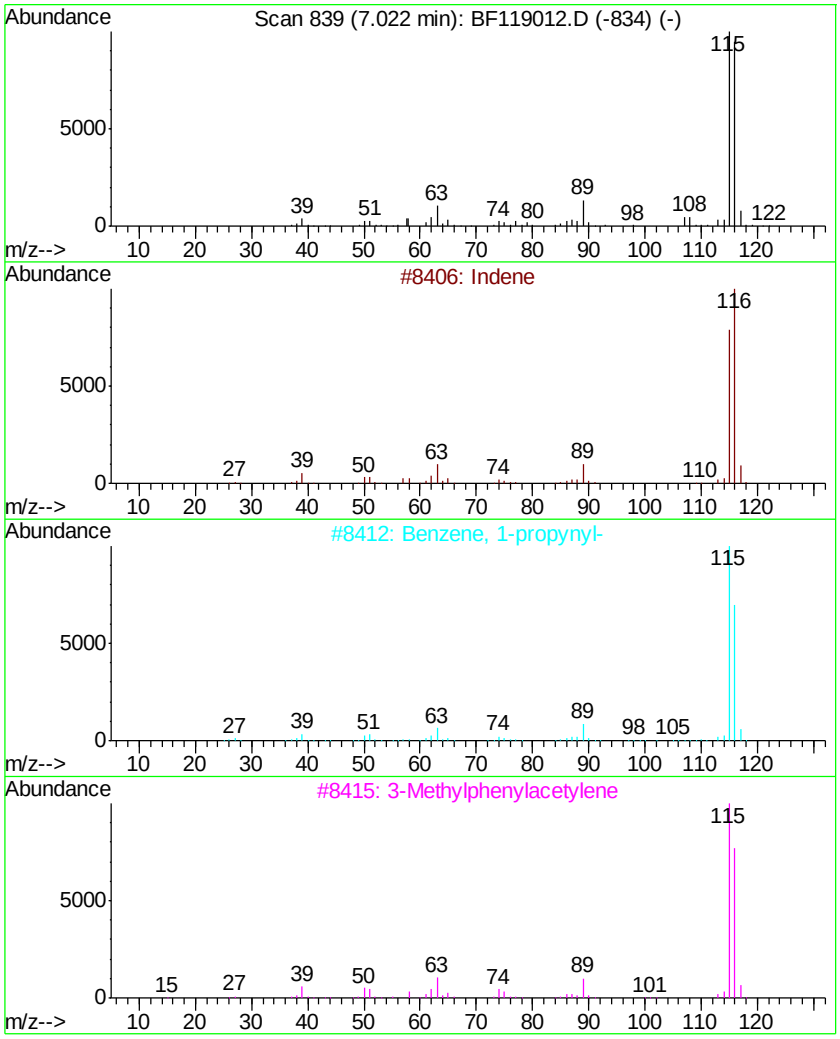
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

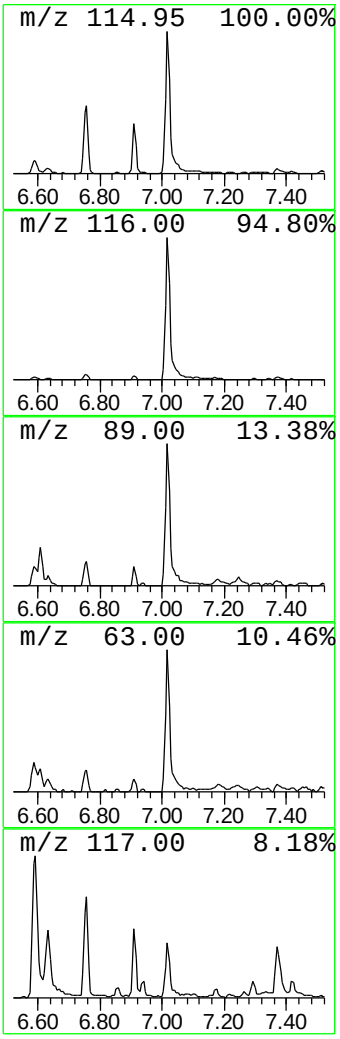
****

Peak Number 1 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	15.83 ng	634566	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

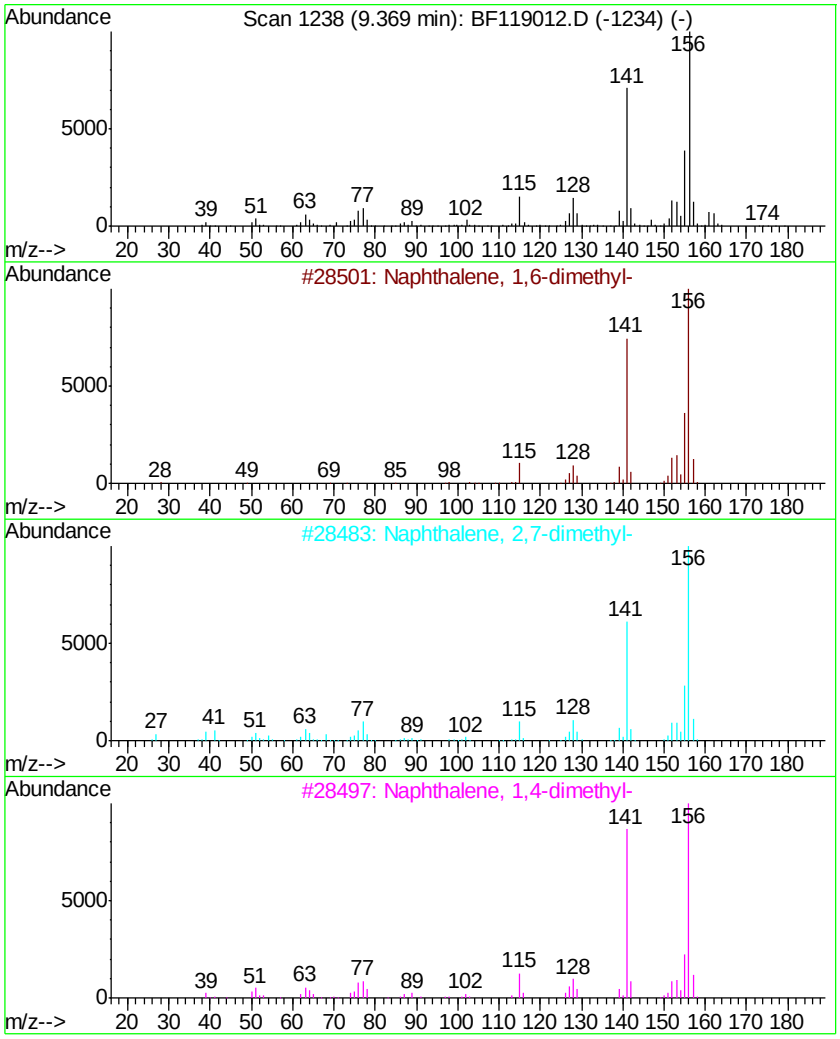
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

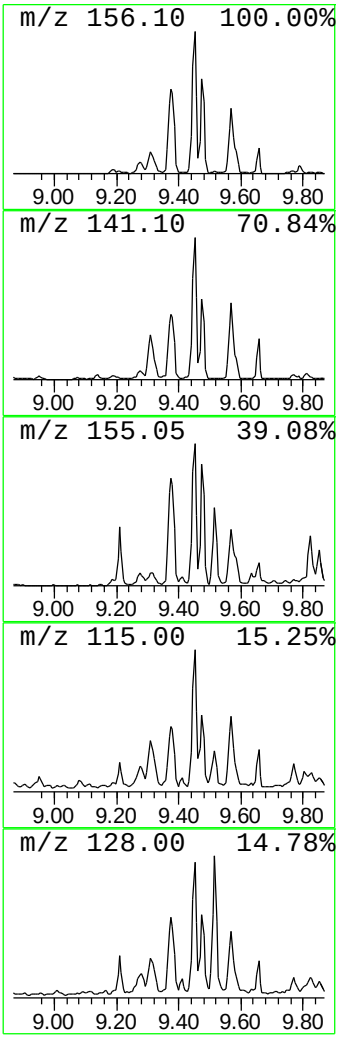
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	18.09 ng	816490	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

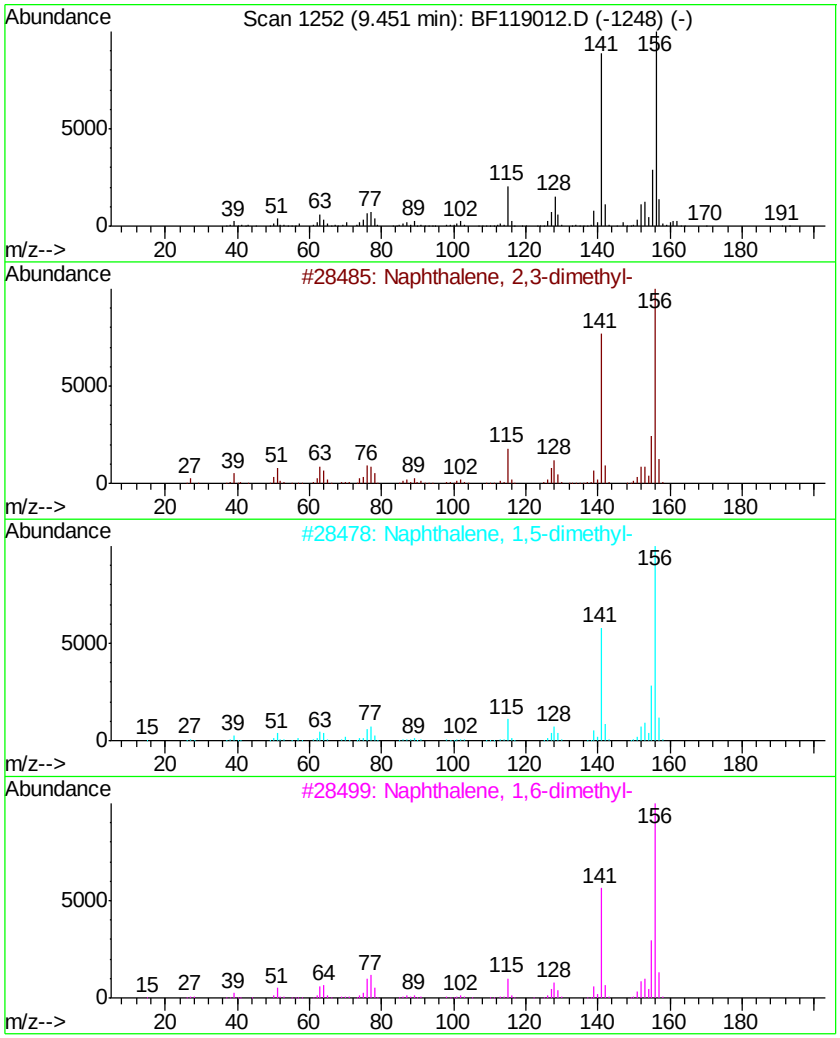
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

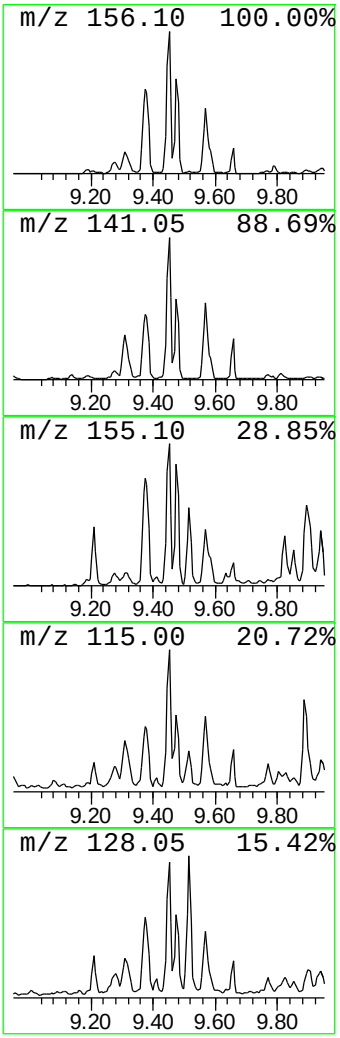
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	21.45 ng	968031	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

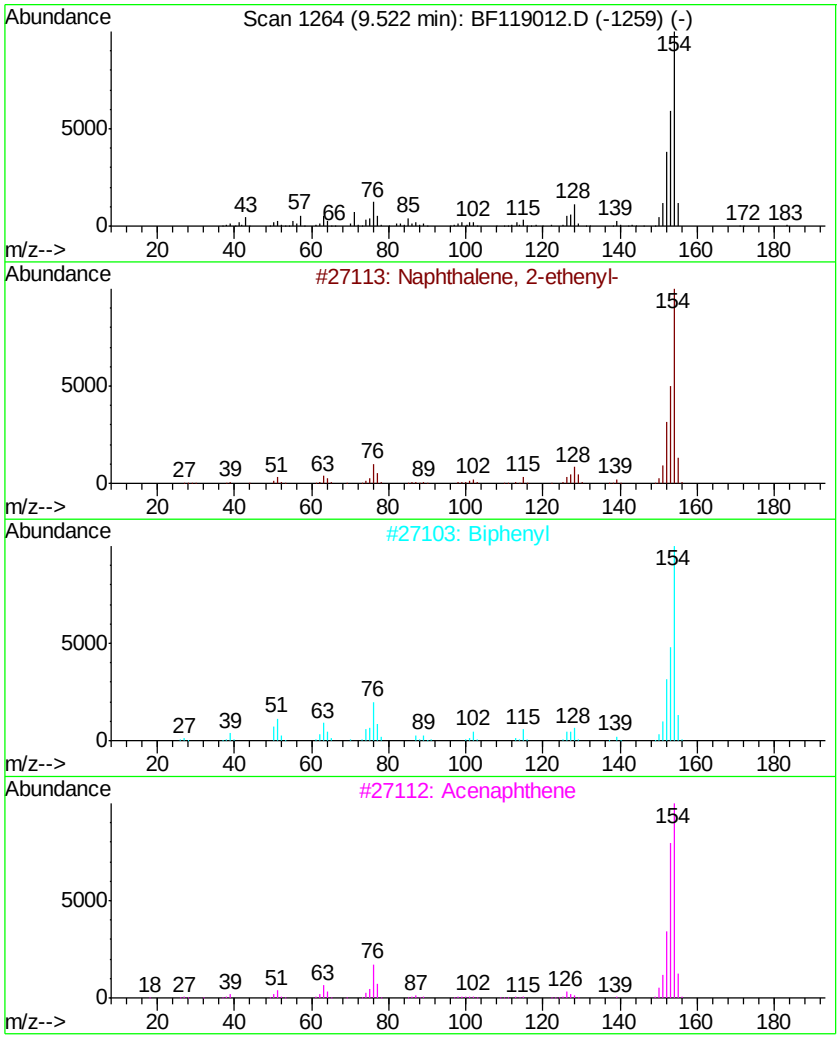
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

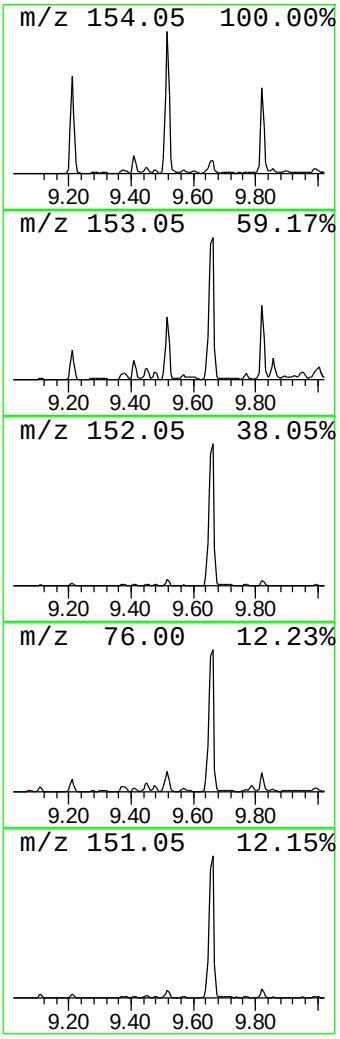
****

Peak Number 4 Naphthalene, 2-ethenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	21.60 ng	974883	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	96
2	Biphenyl	154	C12H10	000092-52-4	90
3	Acenaphthene	154	C12H10	000083-32-9	81
4	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	62
5	1-(2,2-Difluoroethenyl)-4-methyl...	154	C9H8F2	1000305-64-2	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

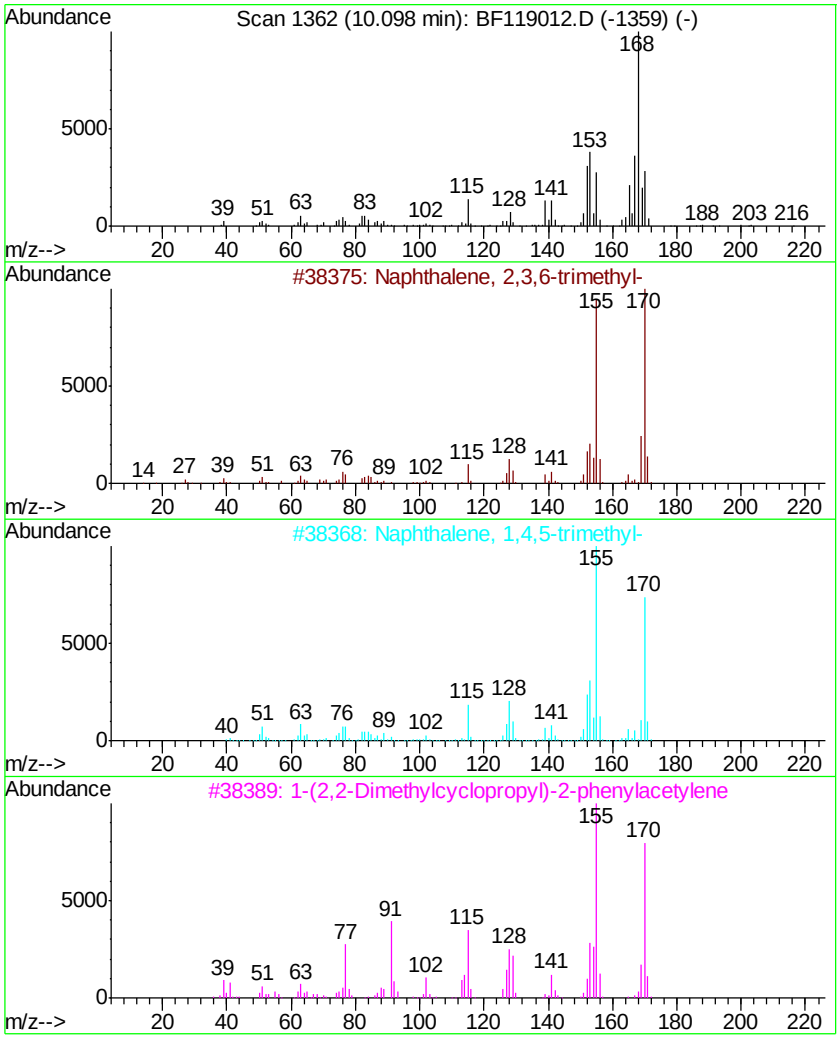
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

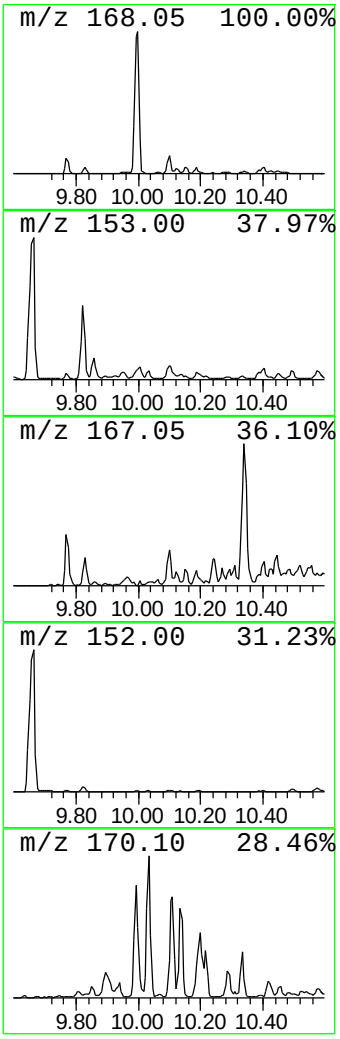
****

Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	14.92 ng	673340	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87
3	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	60
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	55
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

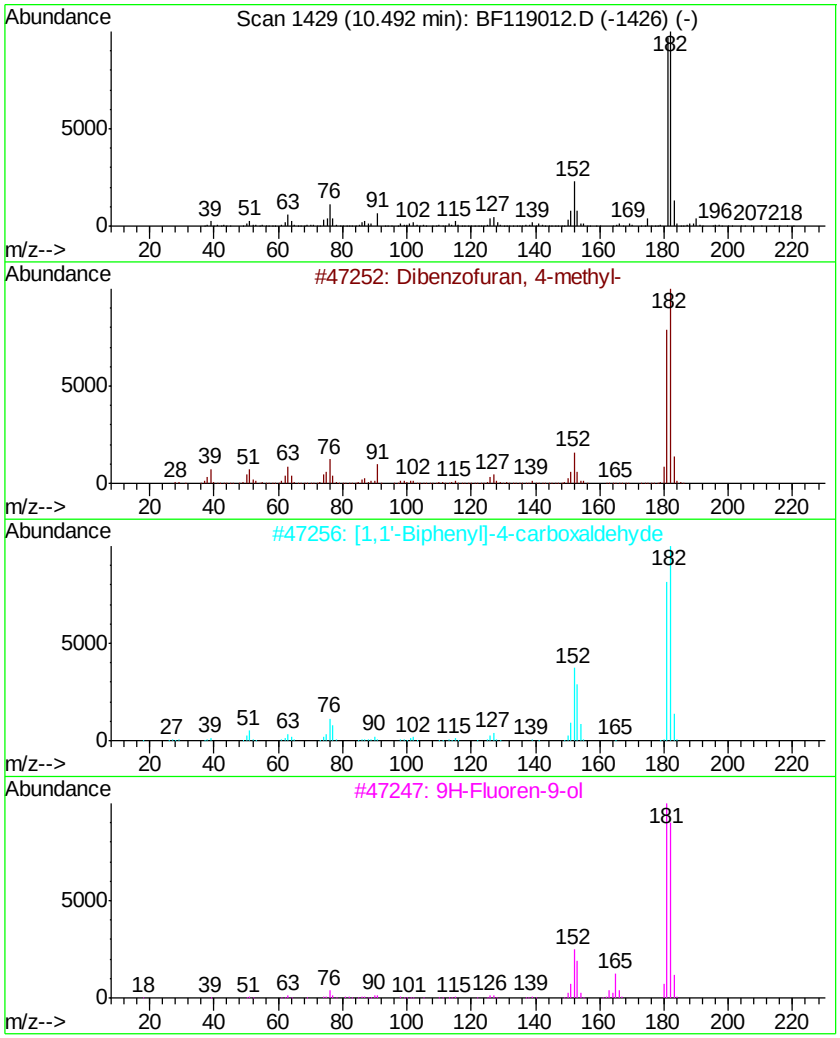
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

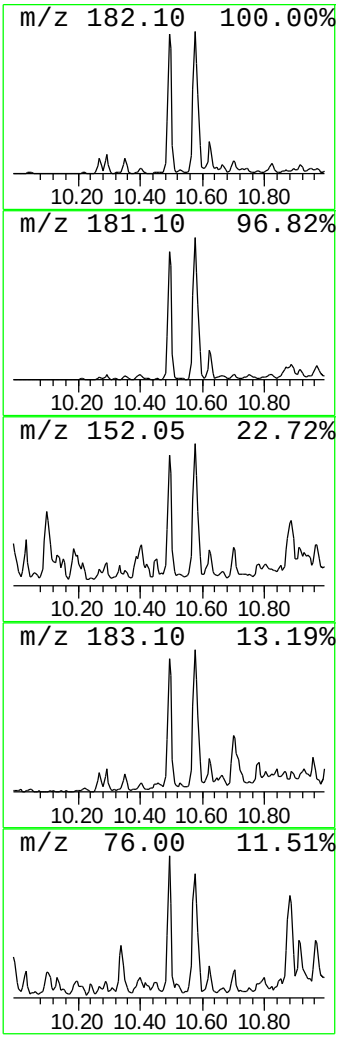
****

Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	20.37 ng	919181	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

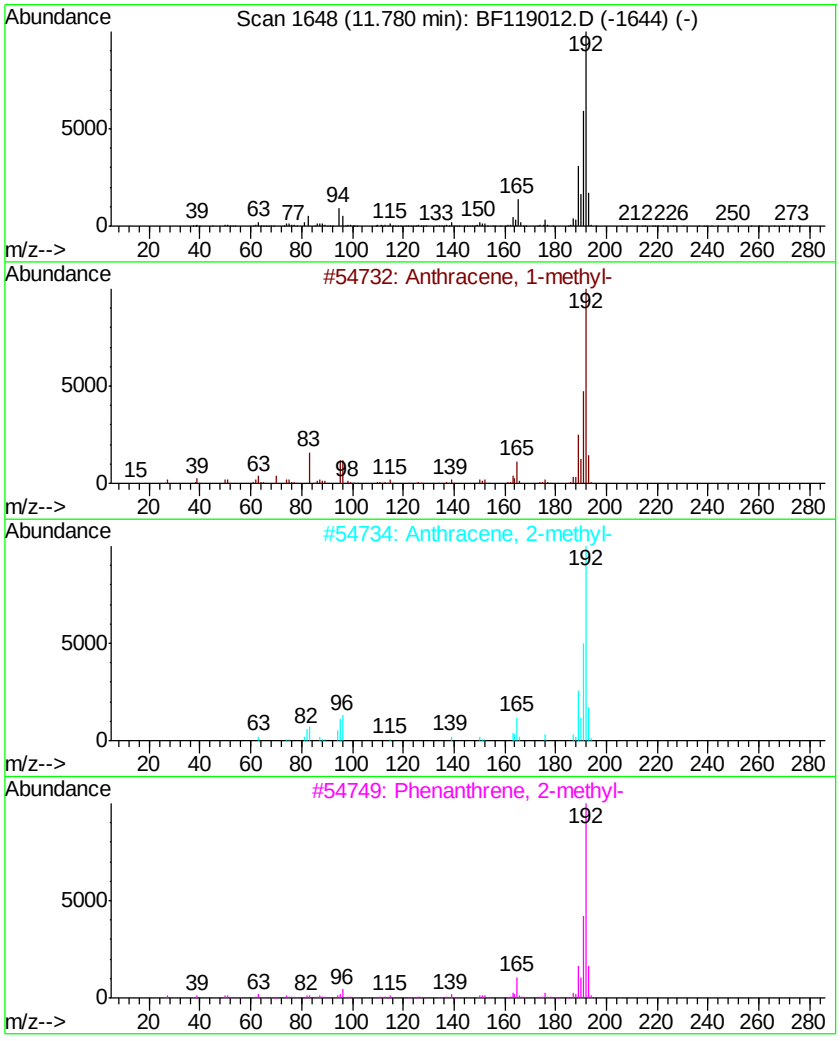
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

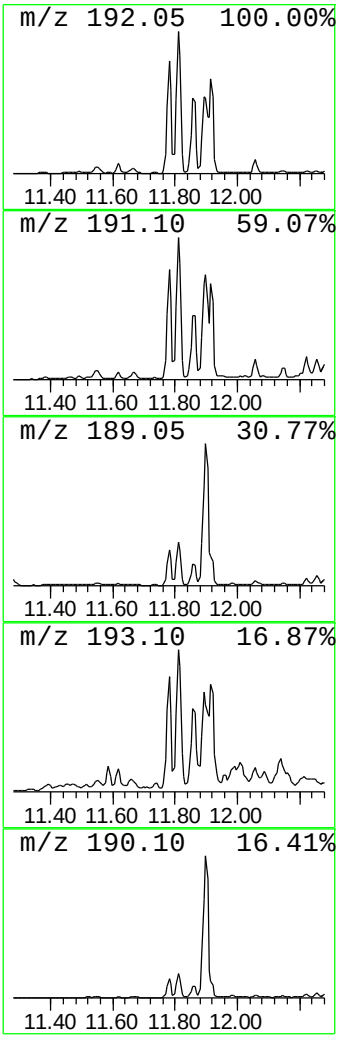
****

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	3.97 ng	2765360	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

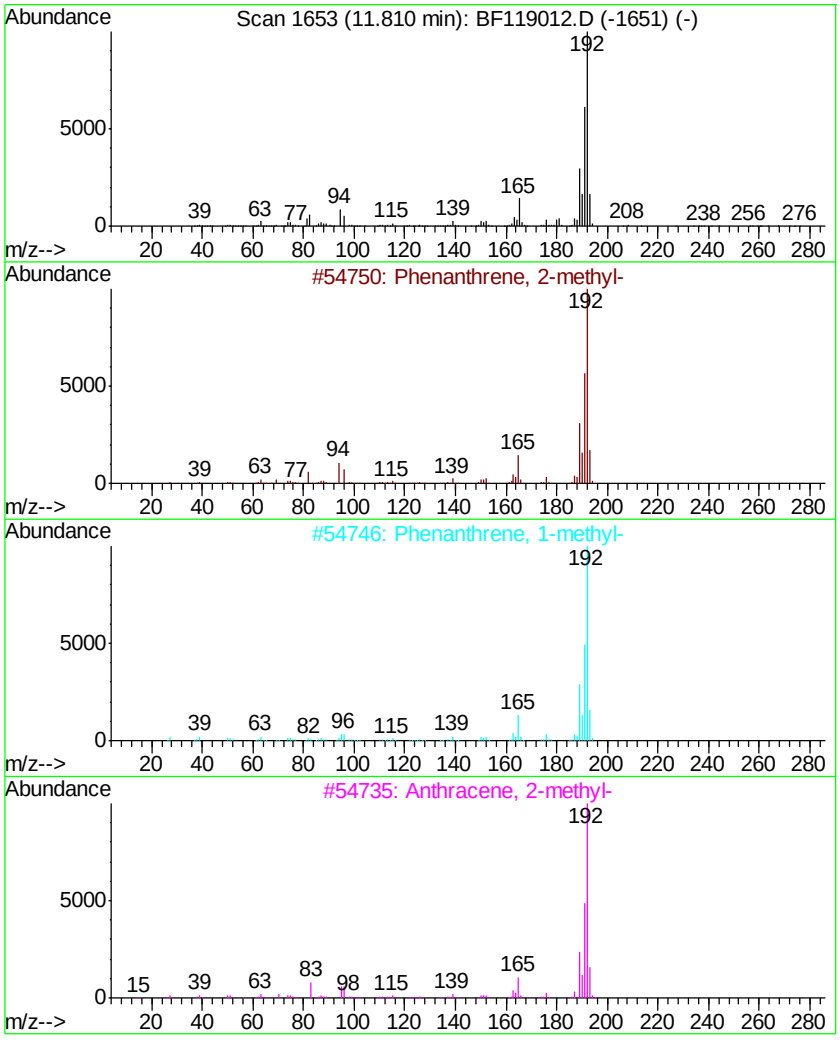
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

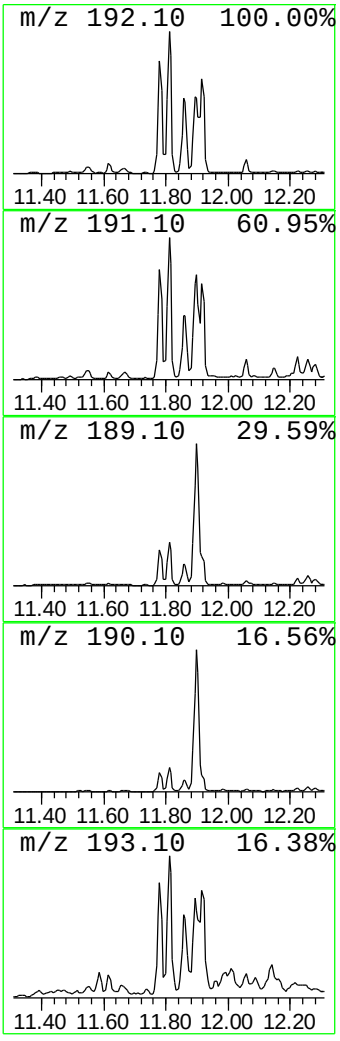
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	4.19 ng	2922050	Phenanthrene-d10	11.28

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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

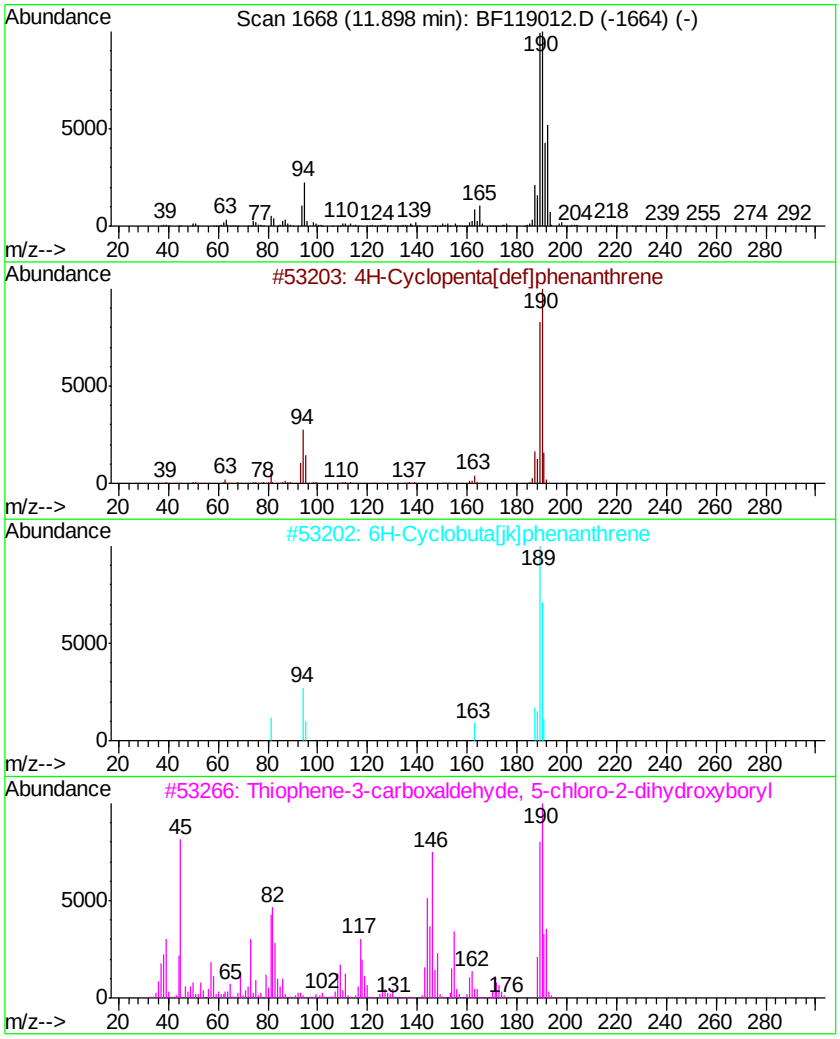
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

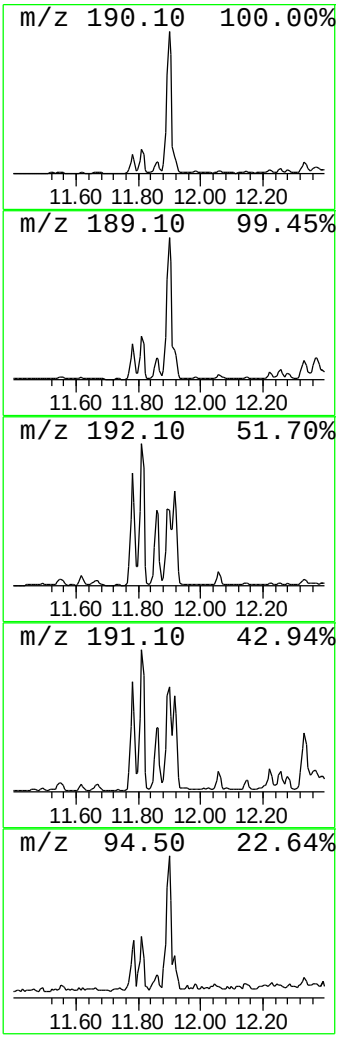
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.94 ng	5529770	Phenanthrene-d10	11.28

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	58
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	41





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

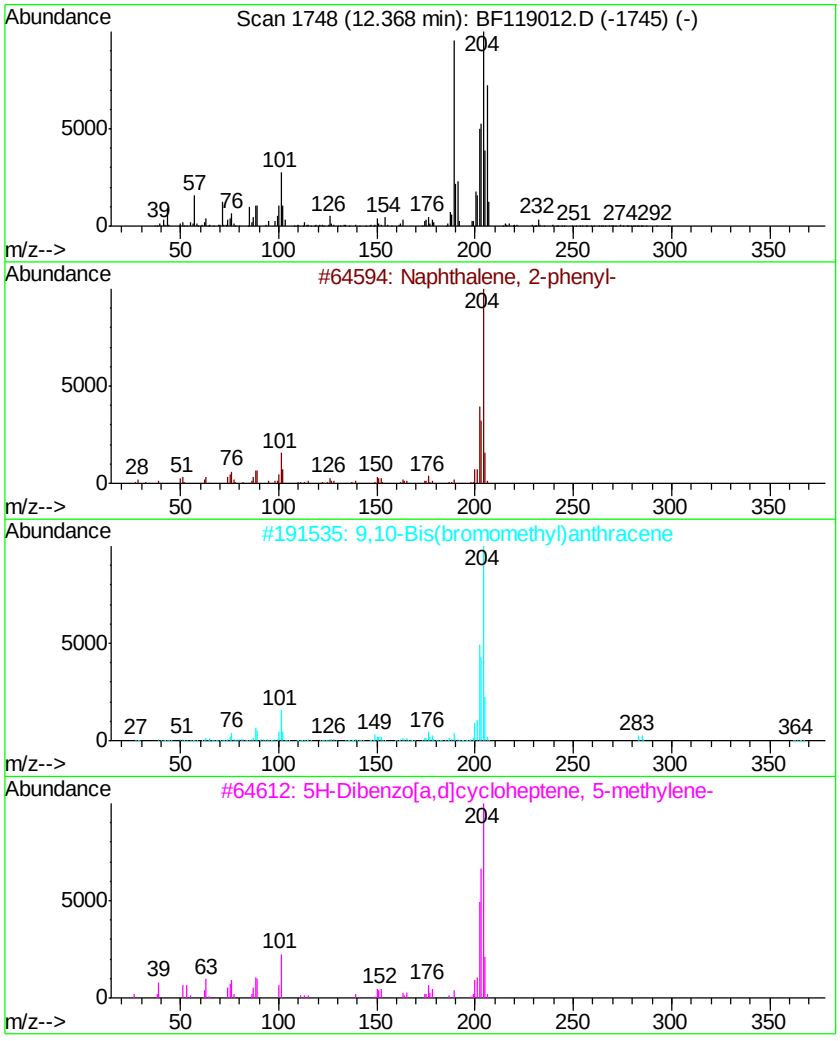
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

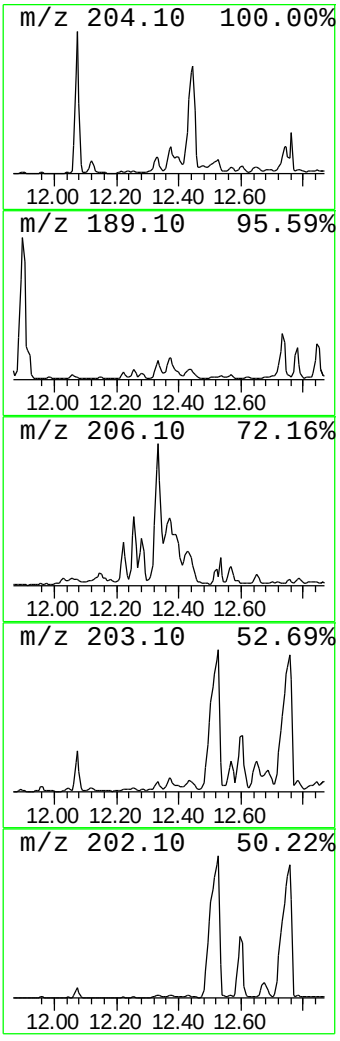
****

Peak Number 12 unknown12.37 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.14 ng	2881160	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	30
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

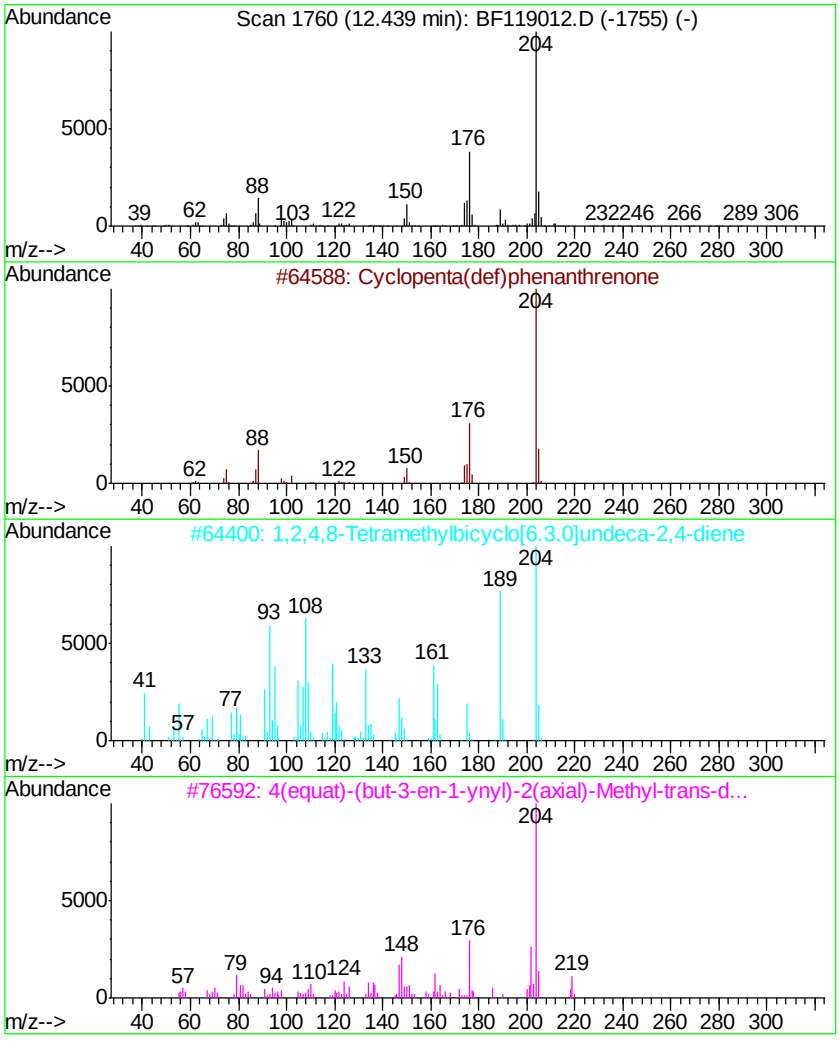
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

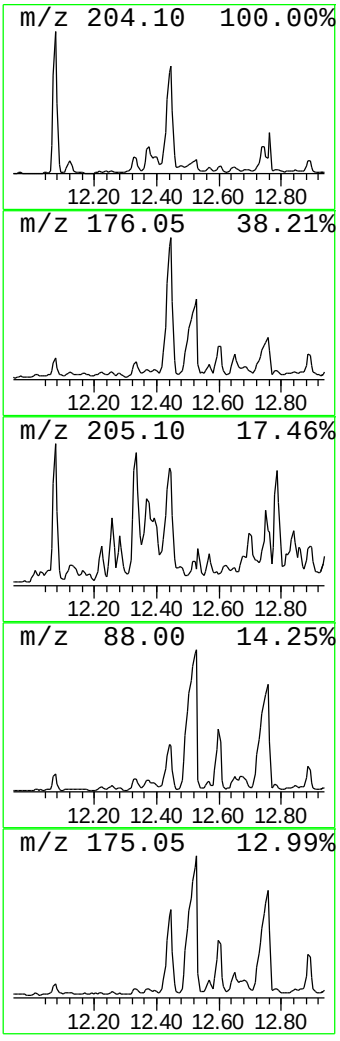
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	4.30 ng	2995110	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

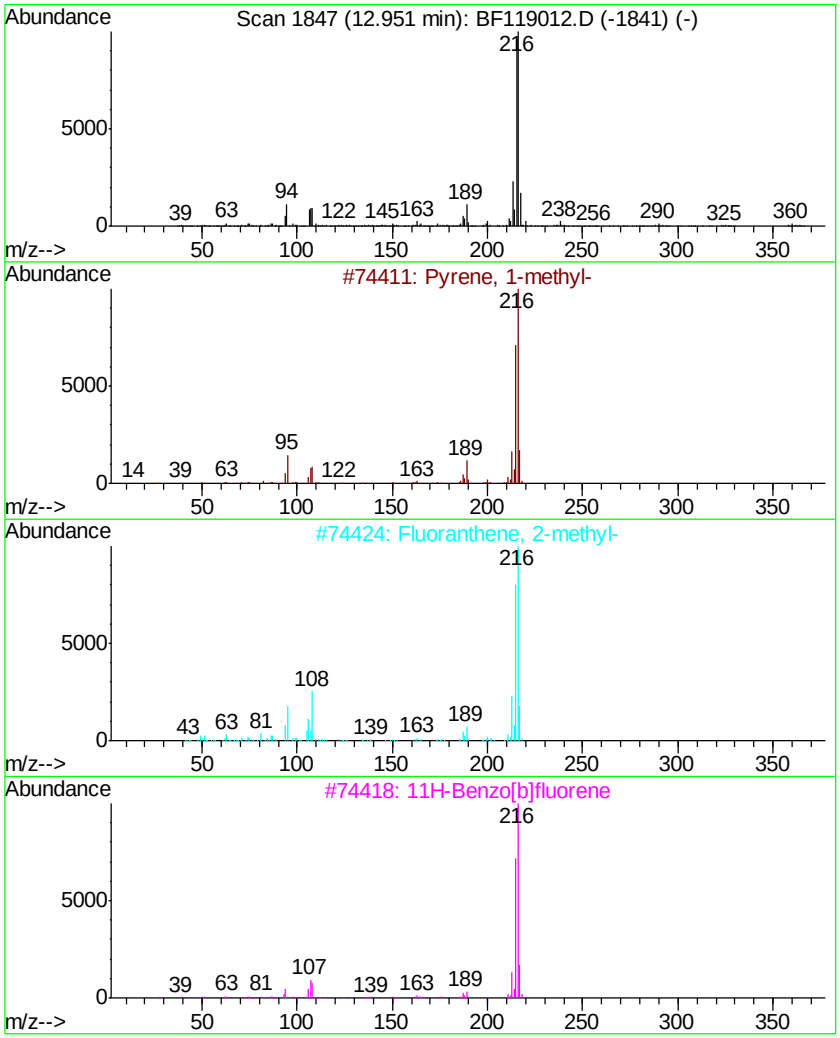
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

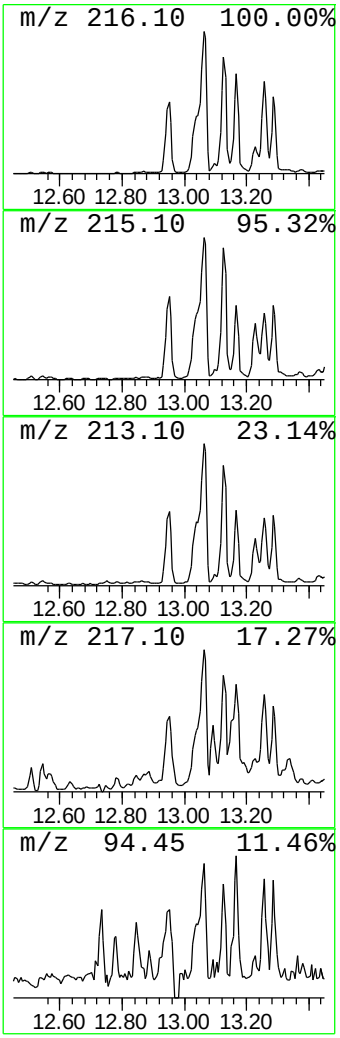
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	5.34 ng	5106080	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

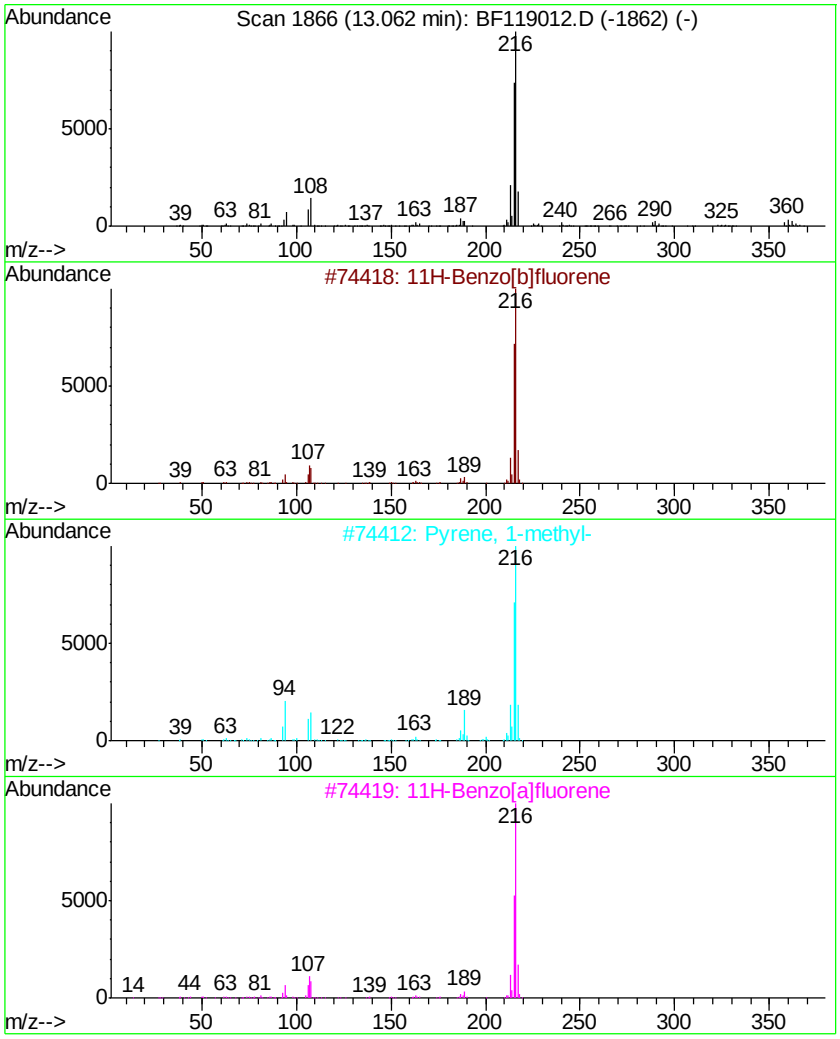
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

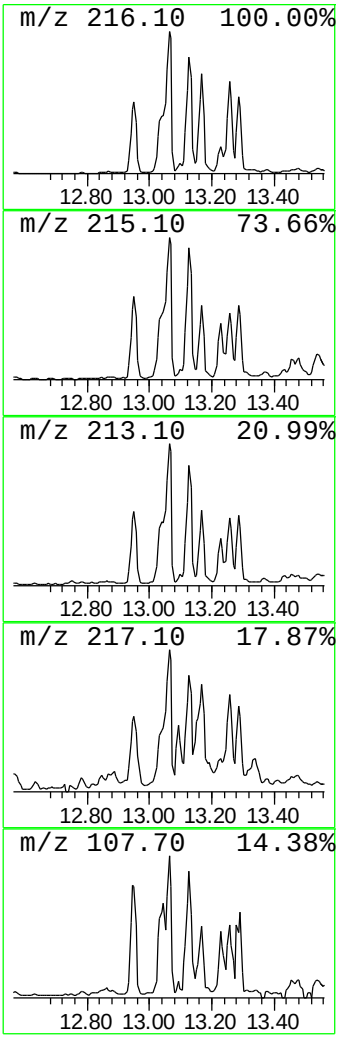
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	6.53 ng	6239570	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

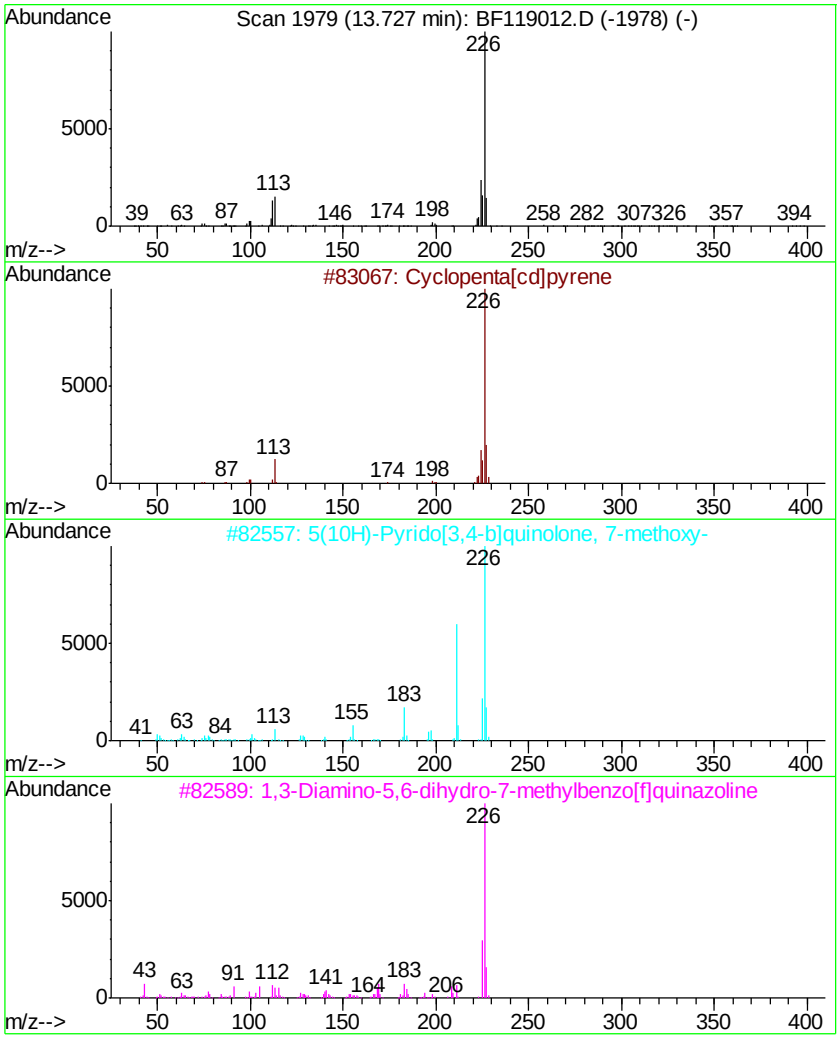
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

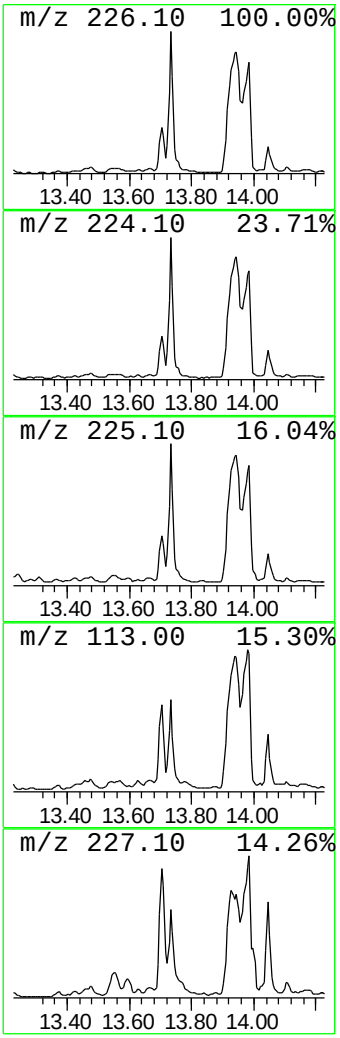
****

Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	4.78 ng	4567870	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	53
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	50
5	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

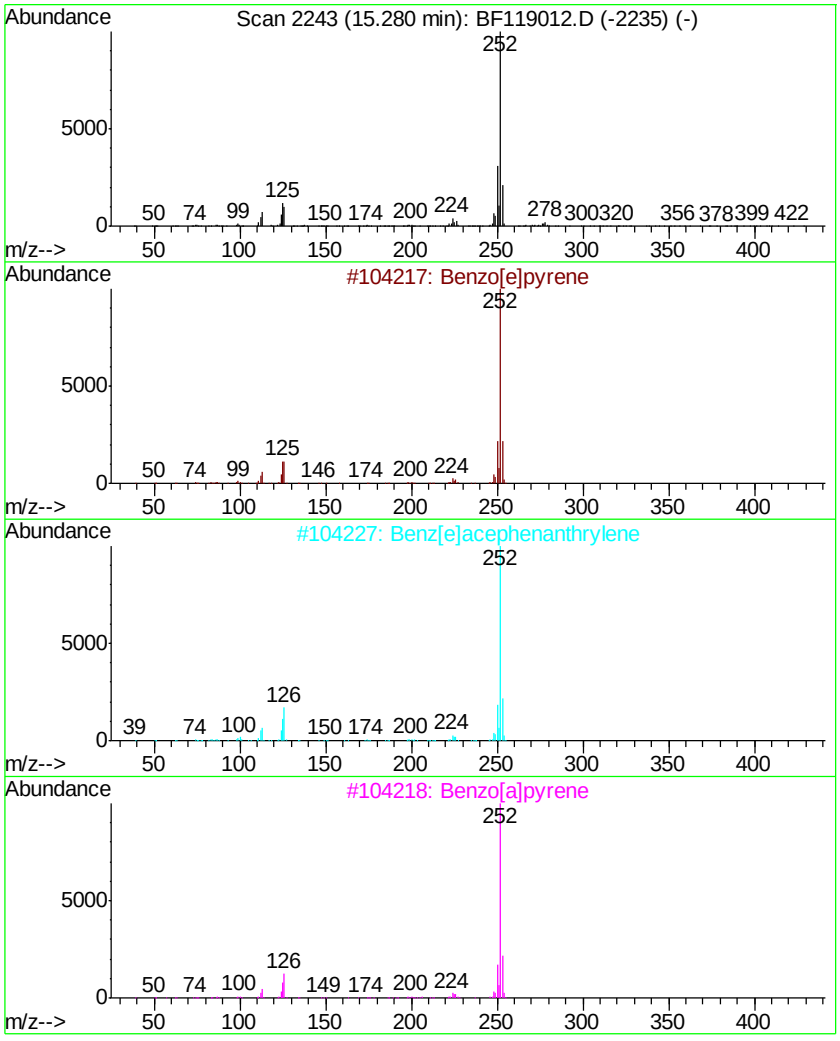
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

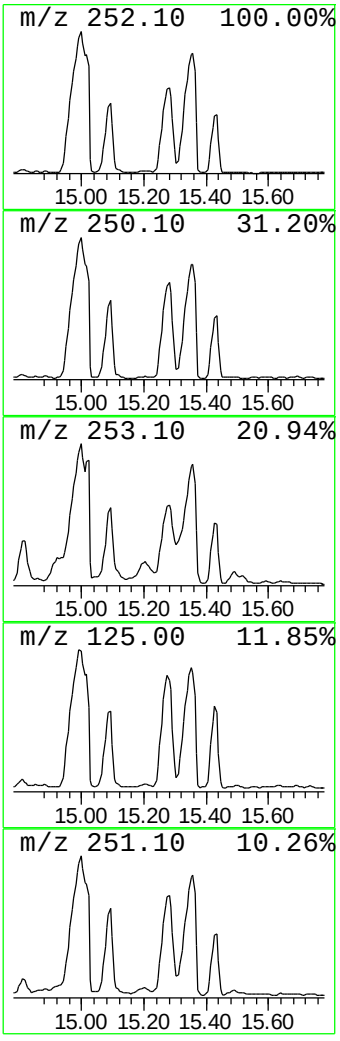
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	12.89 ng	9194870	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022120\
Data File : BF119012.D
Acq On : 22 Feb 2020 00:37
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-14-EP1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
Indene	7.02	15.8	ng	634566	1	6.76	801620	20.0
Naphthalene, 1,6-...	9.37	18.1	ng	816490	3	9.79	902685	20.0
Naphthalene, 2,3-...	9.45	21.4	ng	968031	3	9.79	902685	20.0
Naphthalene, 2-et...	9.52	21.6	ng	974883	3	9.79	902685	20.0
Naphthalene, 2,3,...	10.10	14.9	ng	673340	3	9.79	902685	20.0
Dibenzofuran, 4-m...	10.49	20.4	ng	919181	3	9.79	902685	20.0
Anthracene, 1-met...	11.78	4.0	ng	2765360	4	11.28	13931300	20.0
Phenanthrene, 2-m...	11.81	4.2	ng	2922050	4	11.28	13931300	20.0
4H-Cyclopenta[def...	11.90	7.9	ng	5529770	4	11.28	13931300	20.0
unknown12.37	12.37	4.1	ng	2881160	4	11.28	13931300	20.0
Cyclopenta(def)ph...	12.44	4.3	ng	2995110	4	11.28	13931300	20.0
Pyrene, 1-methyl-	12.95	5.3	ng	5106080	5	13.95	19110200	20.0
11H-Benzo[b]fluorene	13.06	6.5	ng	6239570	5	13.95	19110200	20.0
Cyclopenta[cd]pyrene	13.73	4.8	ng	4567870	5	13.95	19110200	20.0
Benzo[e]pyrene	15.28	12.9	ng	9194870	6	15.39	14263100	20.0