LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

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-BF071219.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	2.169	9	14	30	rVB	747479	1001249	19.34%	1.211%
2	5.498	575	580	583	rBV	1735350	1534436	29.63%	1.856%
3	6.504	746	751	757	rBV	1622677	1613756	31.16%	1.952%
4	6.651	771	776	779	rBV	1802620	1688759	32.61%	2.042%
5	6.881	812	815	819	rBV	1067610	840438	16.23%	1.016%
6	7.039	838	842	845	rBV	1661072	1375286	26.56%	1.663%
7	7.433	903	909	913	rBV	1077812	1042417	20.13%	1.261%
8	8.163	1028	1033	1035	rBV	1267367	1174464	22.68%	1.420%
9	8.186	1035	1037	1040	rVV	825131	652947	12.61%	0.790%
10	8.875	1149	1154	1158	rVB	828374	741202	14.31%	0.896%
11	8.975	1166	1171	1176	rVB	767211	697165	13.46%	0.843%
12	9.239	1212	1216	1219	rBV	2410024	1975739	38.15%	2.389%
13	9.339	1227	1233	1236	rBV2	200682	247591	4.78%	0.299%
14	9.439	1247	1250	1254	rVB	129069	167646	3.24%	0.203%
15	9.504	1256	1261	1265	rVV2	346377	487132	9.41%	0.589%
16	9.580	1269	1274	1276	rVV	551000	604552	11.67%	0.731%
17	9.604	1276	1278	1280	rVV	398446	319930	6.18%	0.387%
18	9.627	1280	1282	1288	rVV3	200526	322685	6.23%	0.390%
19	9.692	1290	1293	1299	rVB	254993	314018	6.06%	0.380%
20	9.780	1304	1308	1311	rBV	615931	497846	9.61%	0.602%
21	9.922	1326	1332	1334	rBV	1320392	1286945	24.85%	1.556%
22	9.951	1334	1337	1340	rVV	603854	503346	9.72%	0.609%
23	10.122	1362	1366	1369	rVB	598700	509467	9.84%	0.616%
24	10.163	1369	1373	1375	rBV	205380	164105	3.17%	0.198%
25	10.239	1382	1386	1388	rBV2	157198	170109	3.29%	0.206%
26	10.327	1396	1401	1403	rBV2	118405	172143	3.32%	0.208%
27	10.469	1421	1425	1430	rVB	836461	849118	16.40%	1.027%
28	10.533	1430	1436	1437	rBV2	152021	198525	3.83%	0.240%
29	10.580	1441	1444	1446	rVV	155767	161686	3.12%	0.196%
30	10.621	1449	1451	1456	rVV	237873	233552	4.51%	0.282%
31	10.704	1460	1465	1469	rVV	1418739	1307856	25.26%	1.582%
32	10.827	1483	1486	1493	rVB2	275470	318980	6.16%	0.386%
33	11.016	1510	1518	1520	rBV3	252263	370498	7.15%	0.448%
34	11.039	1520	1522	1526	rVV2	187292	215468	4.16%	0.261%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.145	1535	1540	1542	rVV3	144373	229155	4.43%	0.277%
36	11.210	1548	1551	1555	rVV3	148798	176845	3.42%	0.214%
37	11.251	1555	1558	1561	rVV	150532	202906	3.92%	0.245%
38	11.298	1564	1566	1572	rVB	345319	398517	7.70%	0.482%
39	11.404	1580	1584	1586	rBV	1064530	1092788	21.10%	1.322%
40	11.433	1586	1589	1592	rVV	3817353	3420228	66.05%	4.136%
41	11.480	1592	1597	1600	rVV	1438707	1182402	22.83%	1.430%
42	11.510	1600	1602	1606	rVV2	153693	160340	3.10%	0.194%
43	11.627	1617	1622	1625	rBV2	295887	330591	6.38%	0.400%
44	11.704	1632	1635	1637	rVB	214812	160616	3.10%	0.194%
45	11.733	1637	1640	1646	rVB2	193361	202075	3.90%	0.244%
46	11.798	1648	1651	1654	rBV	417156	357947	6.91%	0.433%
47	11.910	1666	1670	1672	rVV	713244	733299	14.16%	0.887%
48	11.933	1672	1674	1679	rVB	1197019	1031044	19.91%	1.247%
49	11.980	1679	1682	1685	rBV	430216	383953	7.41%	0.464%
50	12.021	1685	1689	1691	rVV	1256861	1368539	26.43%	1.655%
51	12.039	1691	1692	1697	rVB	530373	367696	7.10%	0.445%
52	12.198	1717	1719	1721	rBV	398529	348763	6.74%	0.422%
53	12.221	1721	1723	1730	rVB2	326639	310145	5.99%	0.375%
54	12.380	1748	1750	1752	rBV	192551	162950	3.15%	0.197%
55	12.404	1752	1754	1757	rVB2	187798	162838	3.14%	0.197%
56	12.457	1759	1763	1765	rBV	537179	533373	10.30%	0.645%
57	12.486	1765	1768	1770	rVV2	1237391	1258113	24.30%	1.521%
58	12.510	1770	1772	1775	rVV2	1476801	1263550	24.40%	1.528%
59	12.539	1775	1777	1783	rVB3	410965	492882	9.52%	0.596%
60	12.627	1787	1792	1795	rVV	4218159	4318885	83.40%	5.223%
61	12.715	1804	1807	1809	rBV2	291235	255047	4.93%	0.308%
62	12.768	1814	1816	1821	rVV2	173546	184862	3.57%	0.224%
63	12.857	1824	1831	1835	rBV2	3997236	5178277	100.00%	6.262%
64	12.898	1835	1838	1843	rVB2	230245	348530	6.73%	0.421%
65	12.963	1846	1849	1851	rBV	290192	302253	5.84%	0.366%
66	12.986	1851	1853	1860	rVB2	1775335	1893336	36.56%	2.290%
67	13.068	1861	1867	1870	rBV3	467023	764894	14.77%	0.925%
68	13.151	1878	1881	1882	rBV	346236	314031	6.06%	0.380%
69	13.174	1882	1885	1888	rVB	954559	933121	18.02%	1.128%
70	13.239	1892	1896	1899	rBV	655354	622549	12.02%	0.753%
71	13.280	1899	1903	1905	rBV2	709252	692534	13.37%	0.837%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.368	1915	1918	1921	rVB	392774	361005	6.97%	0.437%
73	13.404	1921	1924	1927	rBV	441604	414054	8.00%	0.501%
74	13.480	1933	1937	1941	rBV4	108470	157089	3.03%	0.190%
75	13.574	1950	1953	1955	rVV2	199491	251598	4.86%	0.304%
76	13.680	1968	1971	1976	rVB	417564	527700	10.19%	0.638%
77	13.792	1985	1990	1993	rBV2	476752	680753	13.15%	0.823%
78	13.821	1993	1995	1997	rVV	513477	439332	8.48%	0.531%
79	13.845	1997	1999	2003	rVV2	467789	601441	11.61%	0.727%
80	13.886	2003	2006	2014	rVB3	554878	725225	14.01%	0.877%
81	14.039	2025	2032	2035	rBV2	2910848	4037000	77.96%	4.882%
82	14.074	2035	2038	2045	rVB	2334367	2359758	45.57%	2.854%
83	14.151	2049	2051	2054	rBV	370648	278649	5.38%	0.337%
84	14.262	2067	2070	2074	rBV2	296772	362206	6.99%	0.438%
85	14.392	2090	2092	2094	rBV	195442	182973	3.53%	0.221%
86	14.427	2094	2098	2102	rVV	627452	822287	15.88%	0.994%
87	14.462	2102	2104	2107	rVB	424361	353765	6.83%	0.428%
88	14.557	2117	2120	2122	rBV	355293	360678	6.97%	0.436%
89	14.574	2122	2123	2127	rVB2	369848	279684	5.40%	0.338%
90	14.627	2127	2132	2138	rVB5	204752	349566	6.75%	0.423%
91	14.821	2162	2165	2168	rBV2	199011	247005	4.77%	0.299%
92	15.098	2206	2212	2215	rBV	1916818	3493665	67.47%	4.225%
93	15.198	2226	2229	2235	rVB	583610	658228	12.71%	0.796%
94	15.398	2258	2263	2269	rVB	1204245	1696375	32.76%	2.051%
95	15.468	2269	2275	2280	rBV	1744757	2420637	46.75%	2.927%
96	15.521	2280	2284	2287	rVV	698848	957245	18.49%	1.158%
97	15.556	2287	2290	2297	rVB2	718290	968381	18.70%	1.171%
98	15.998	2363	2365	2371	rVB2	146293	194924	3.76%	0.236%
99	17.009	2530	2537	2544	rVB2	739753	1512917	29.22%	1.830%
100	17.456	2607	2613	2625	rVB	518291	1096396	21.17%	1.326%

Sum of corrected areas: 82691466

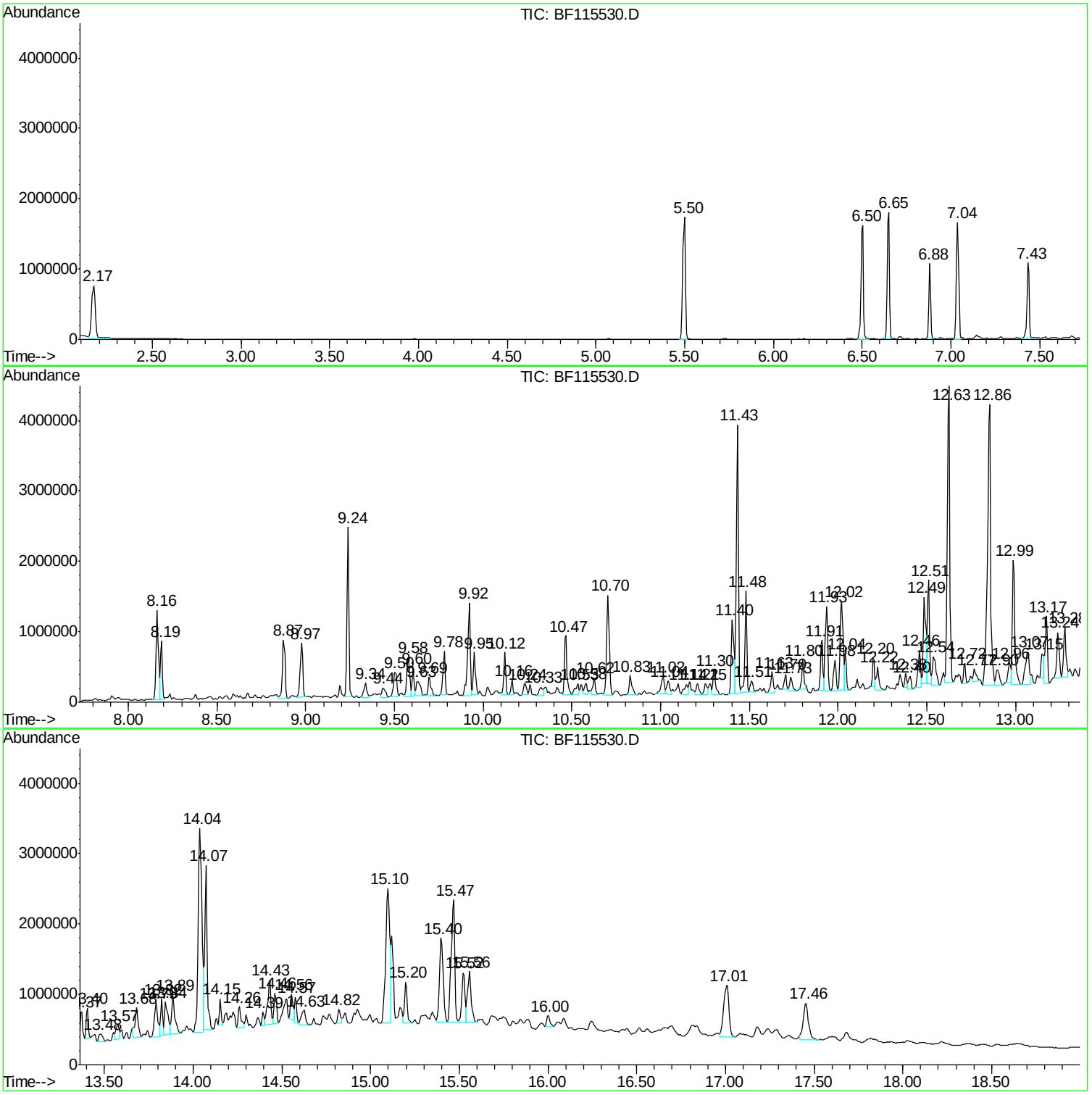
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

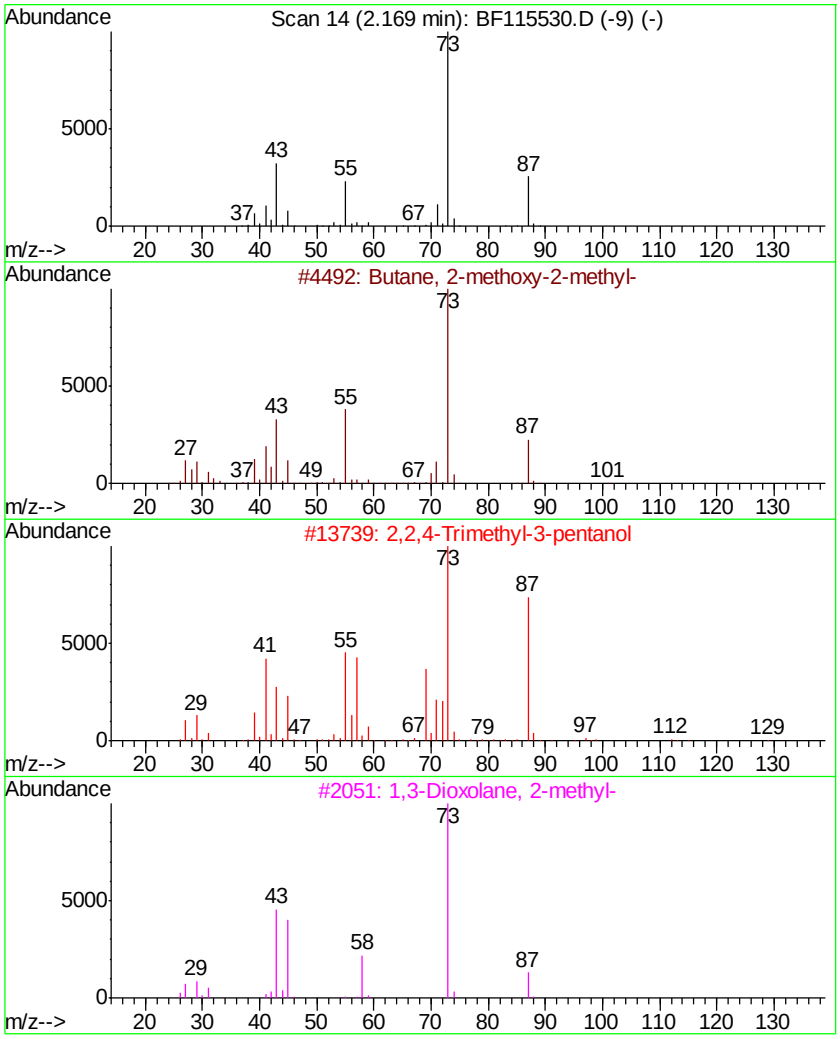
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

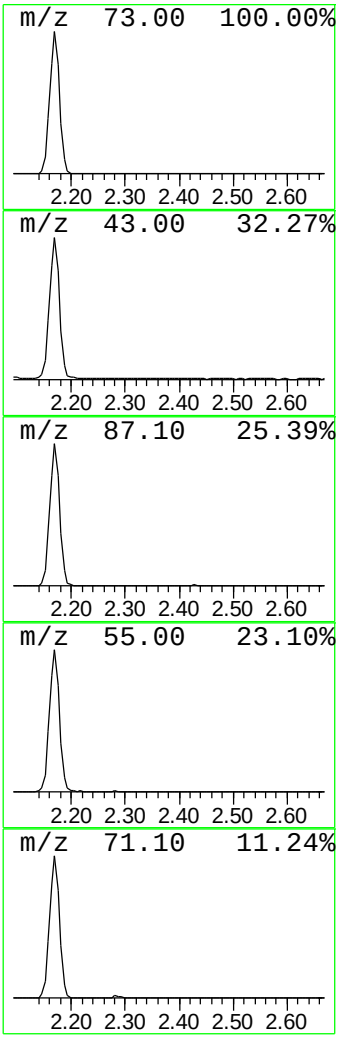
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	23.83 ng	1001250	1,4-Dichlorobenzene-d4	6.88

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	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

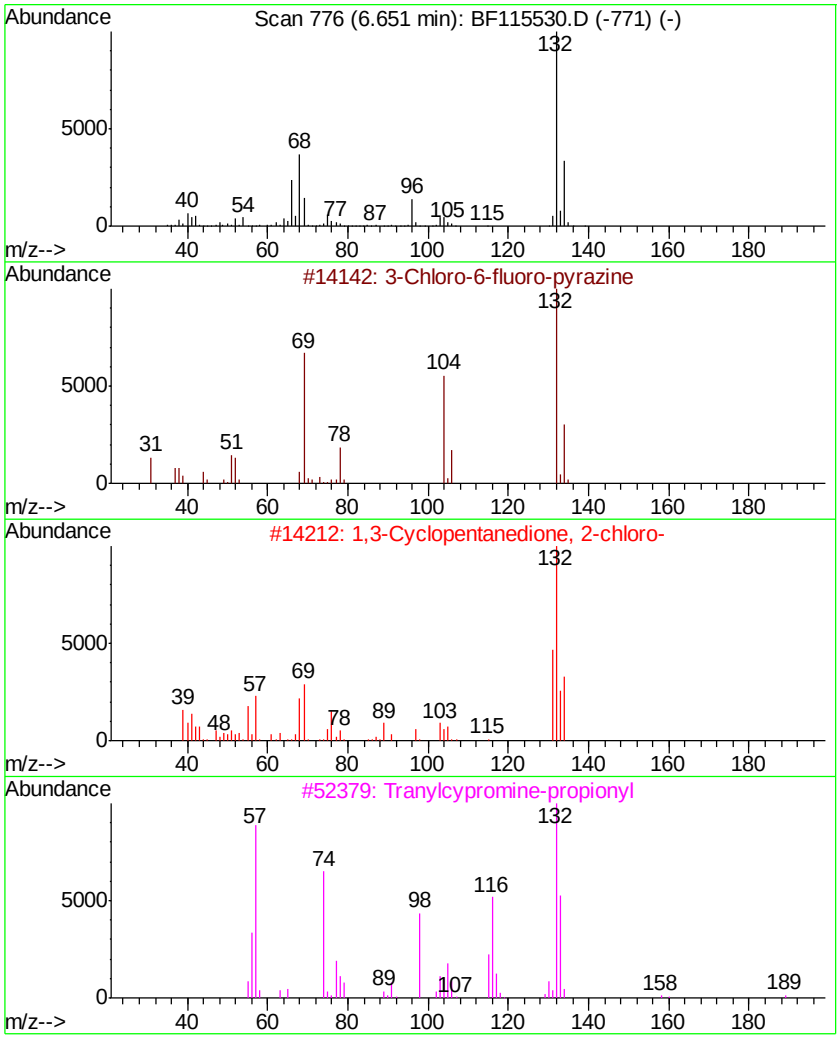
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

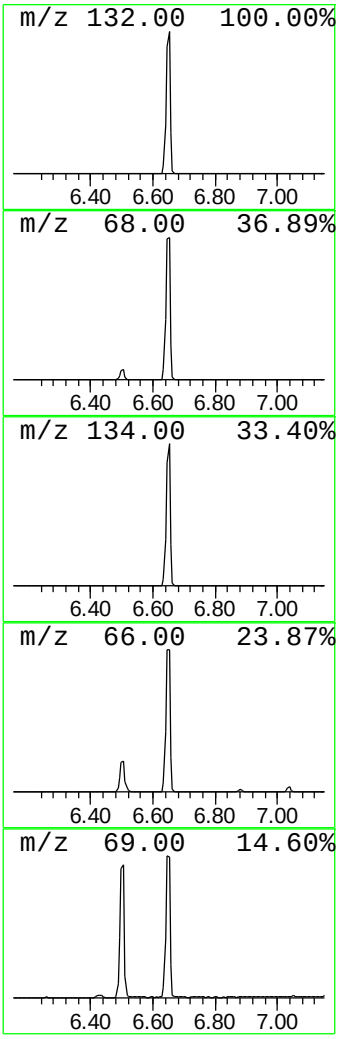
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	40.19 ng	1688760	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

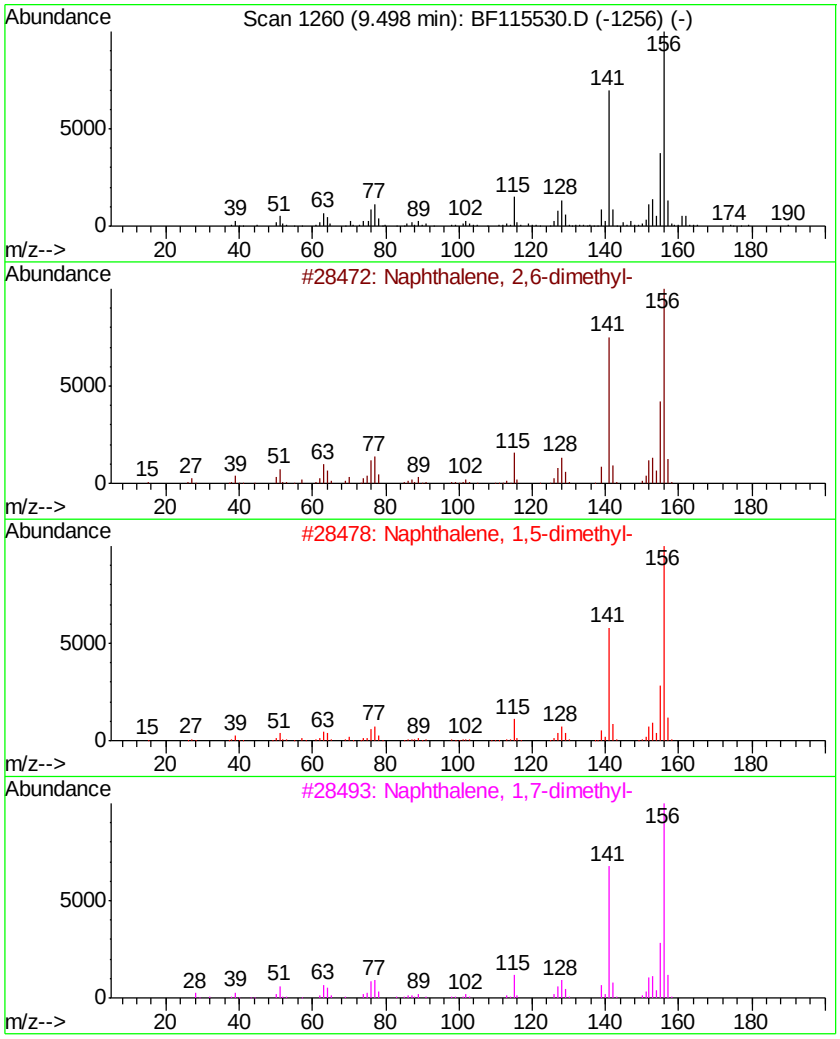
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

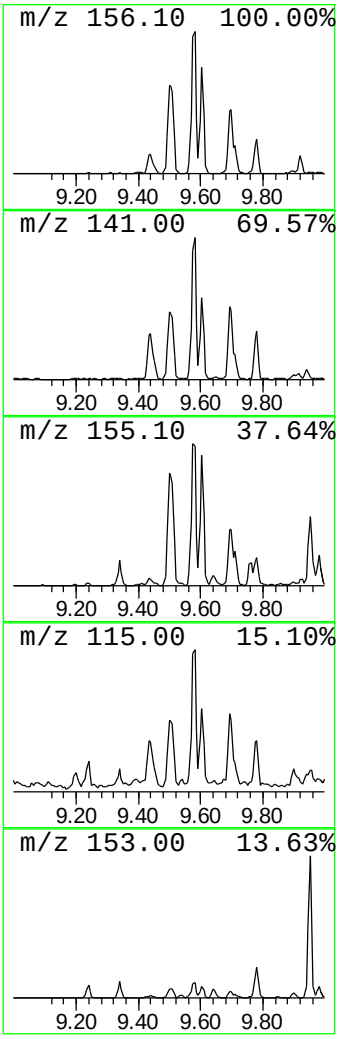
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	7.57 ng	487132	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

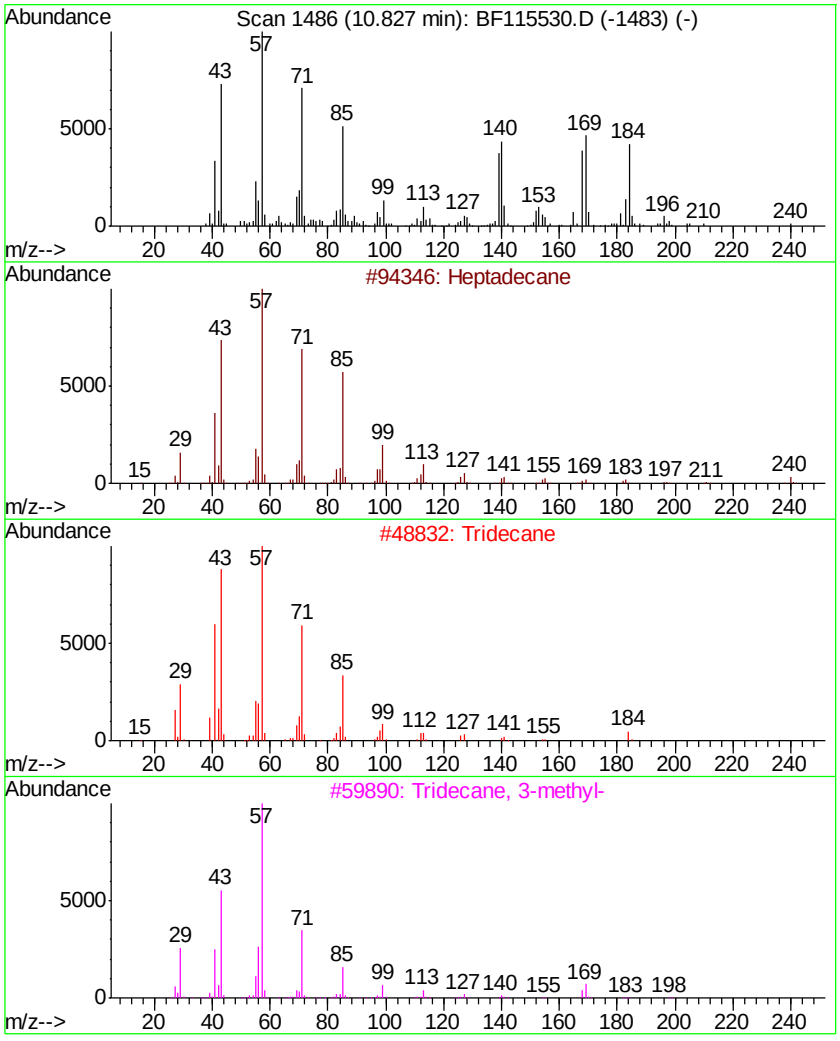
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

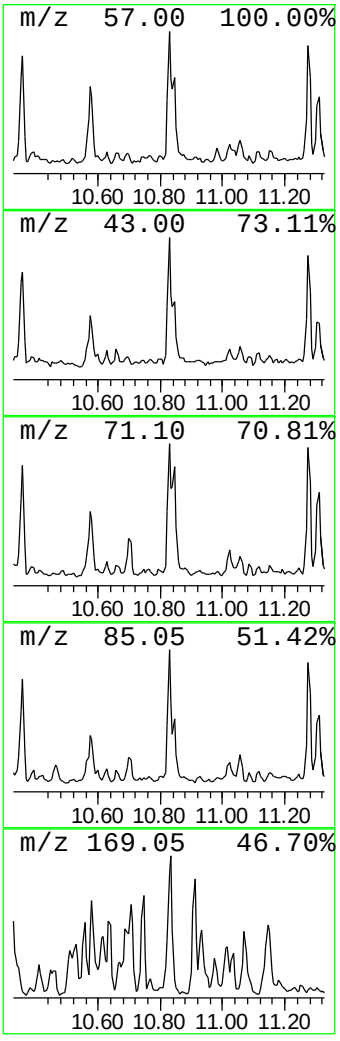
****

Peak Number 5 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	5.84 ng	318980	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	59
2	Tridecane	184	C13H28	000629-50-5	41
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	38
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	35
5	9-methylheptadecane	254	C18H38	026741-18-4	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

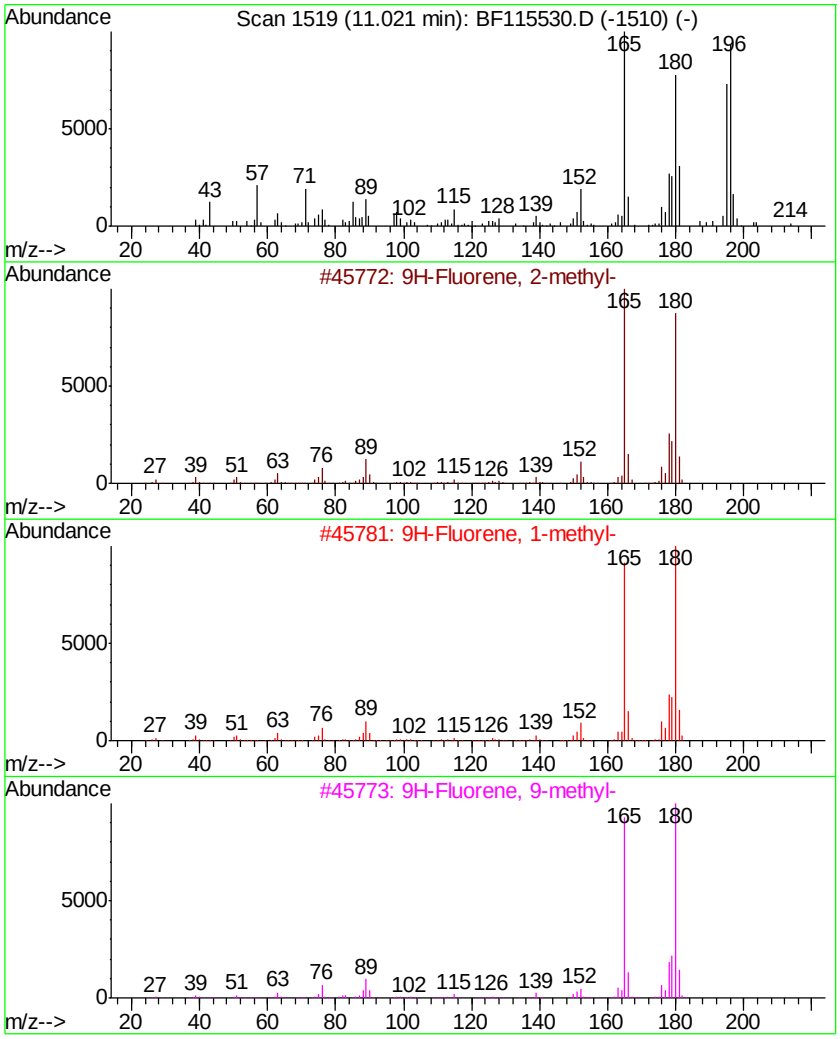
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

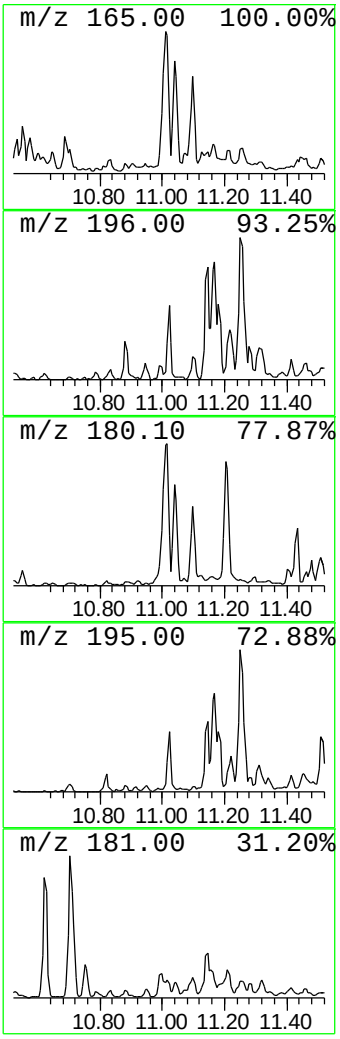
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	6.78 ng	370498	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

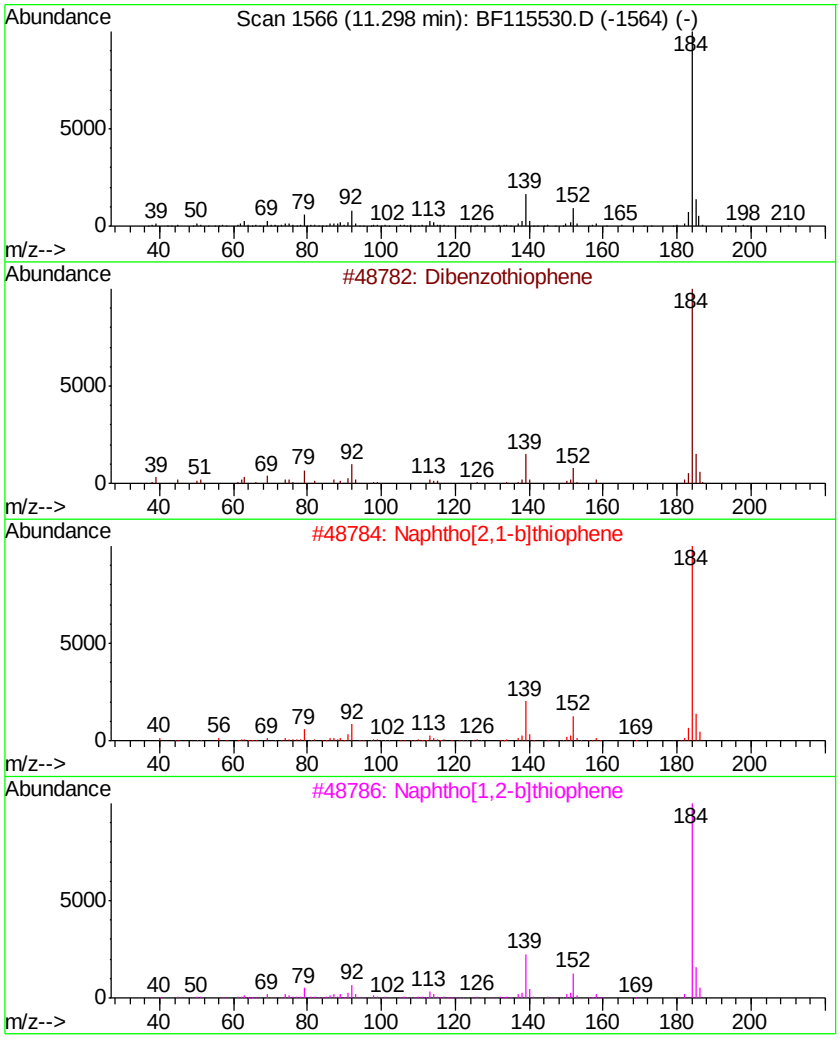
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

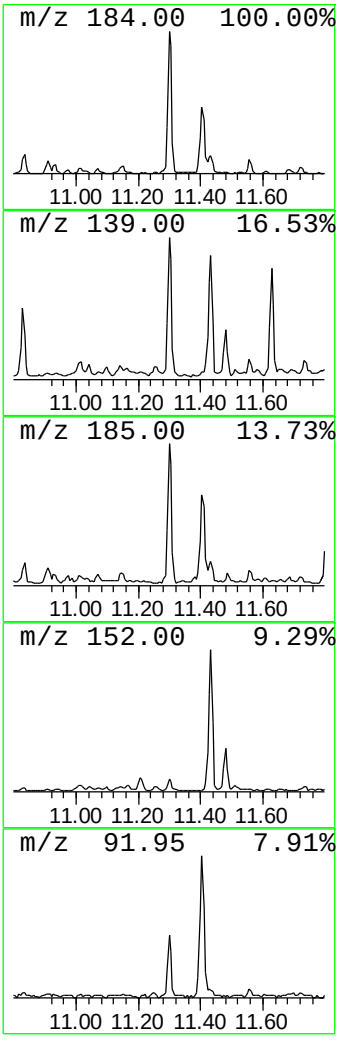
****

Peak Number 7 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	7.29 ng	398517	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

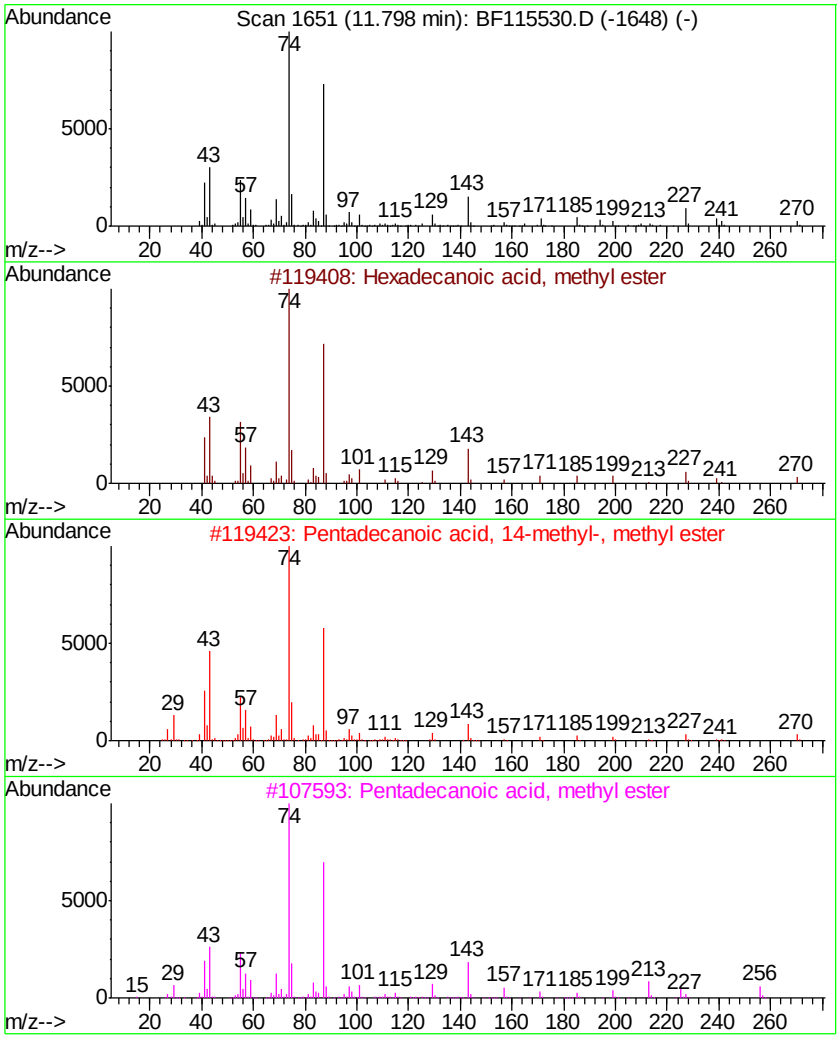
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

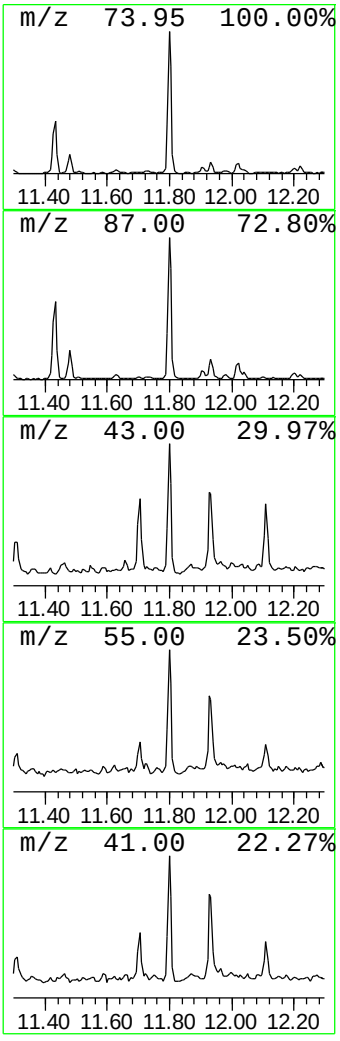
****

Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	6.55 ng	357947	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
4	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	80
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

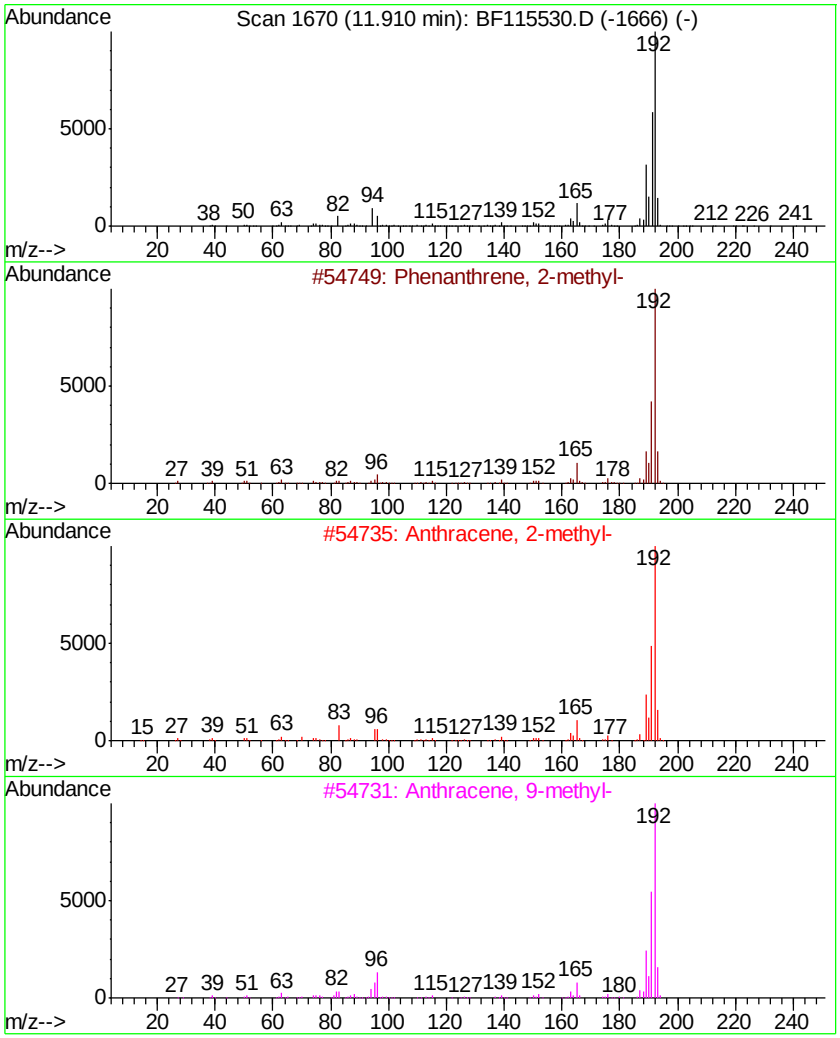
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

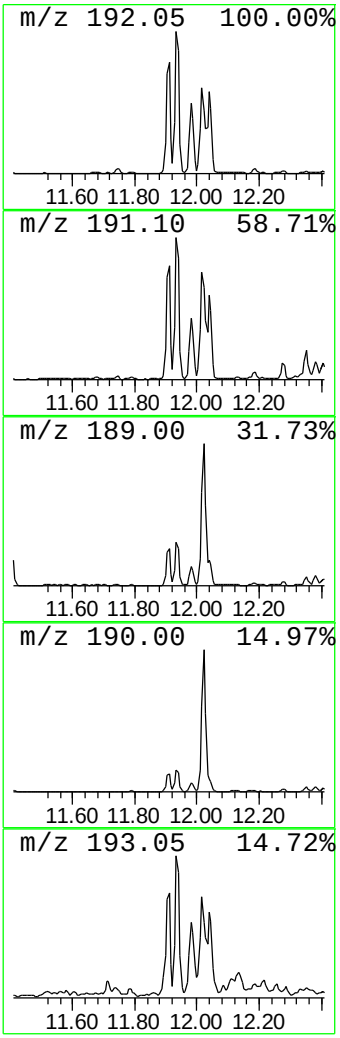
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	13.42 ng	733299	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

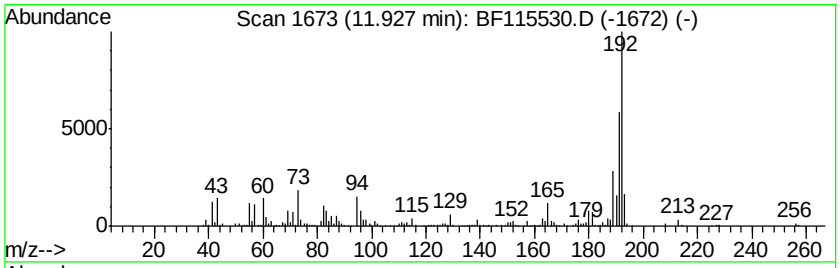
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

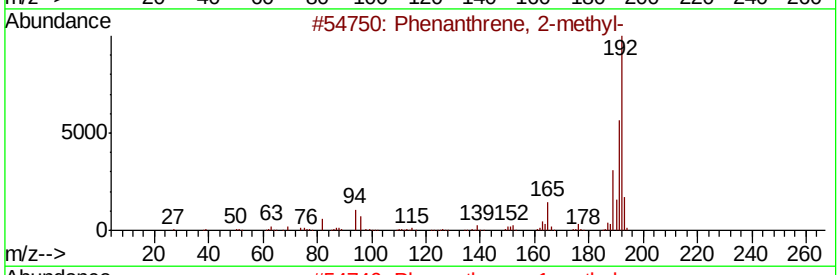
****

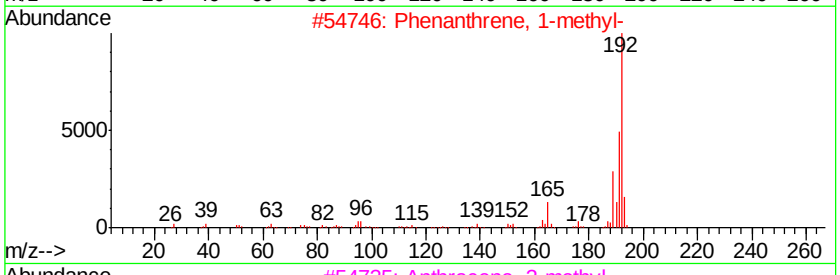
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 8

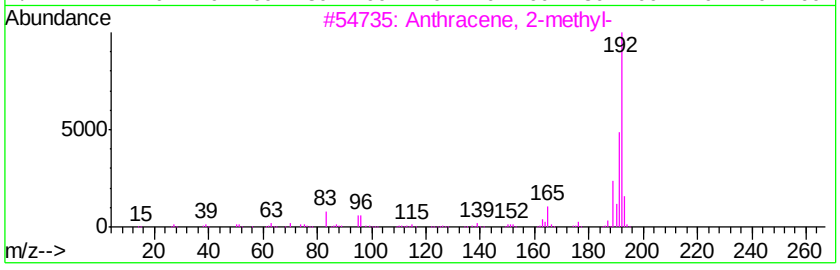
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	18.87 ng	1031040	Phenanthrene-d10	11.40

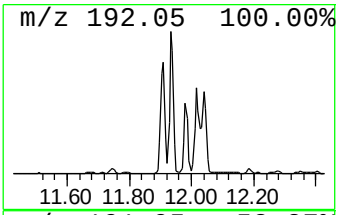
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95

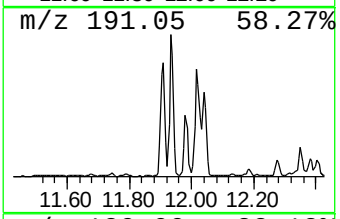


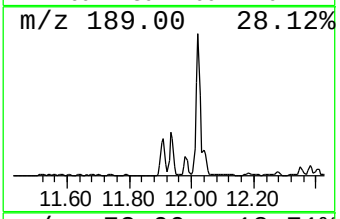


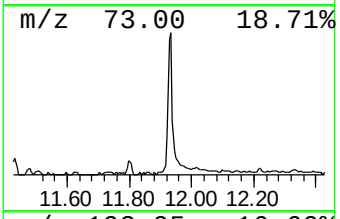


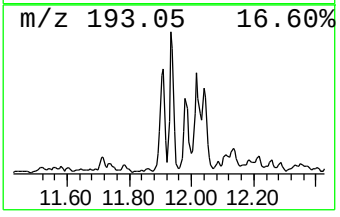












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

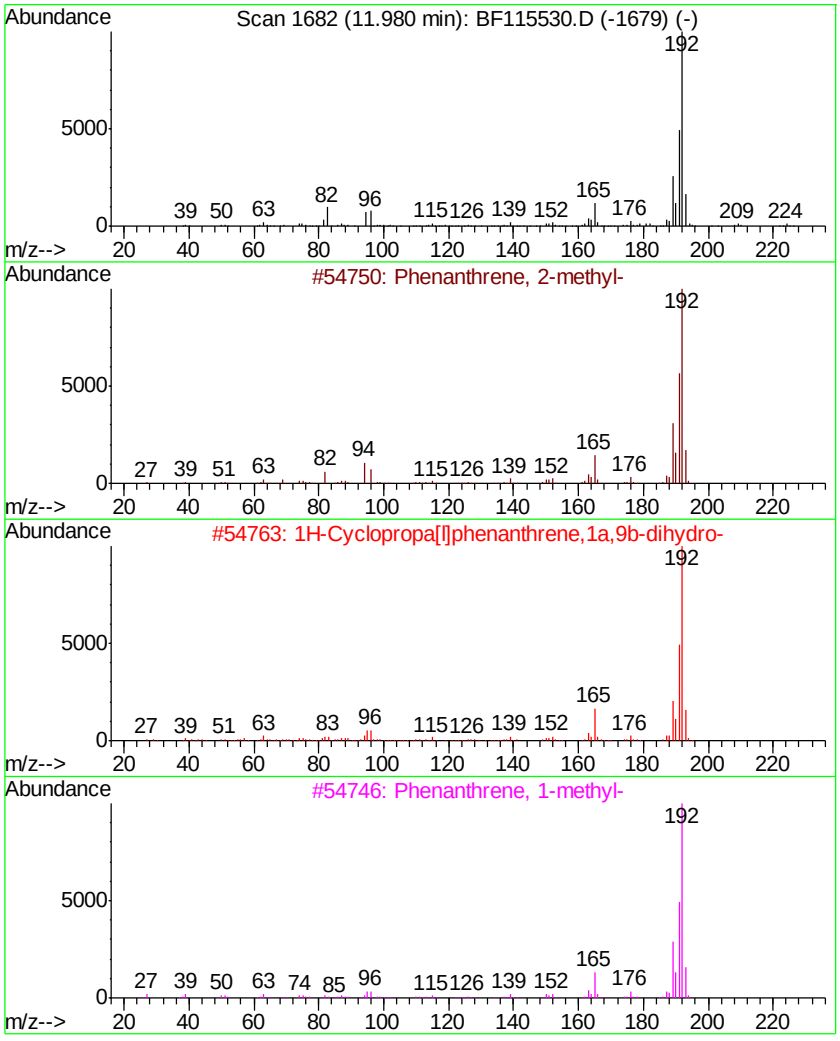
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

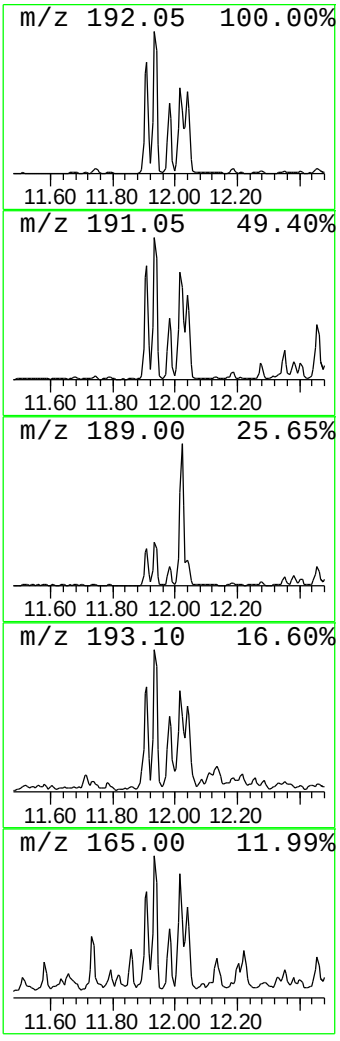
****

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	7.03 ng	383953	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

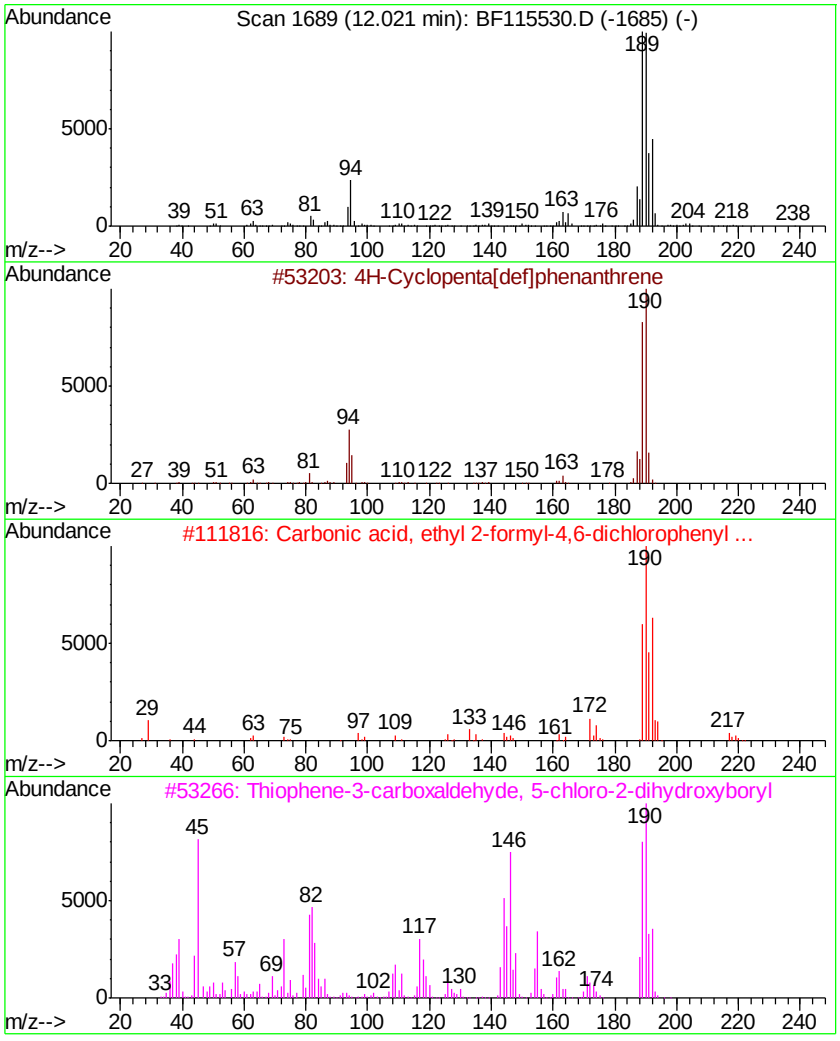
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

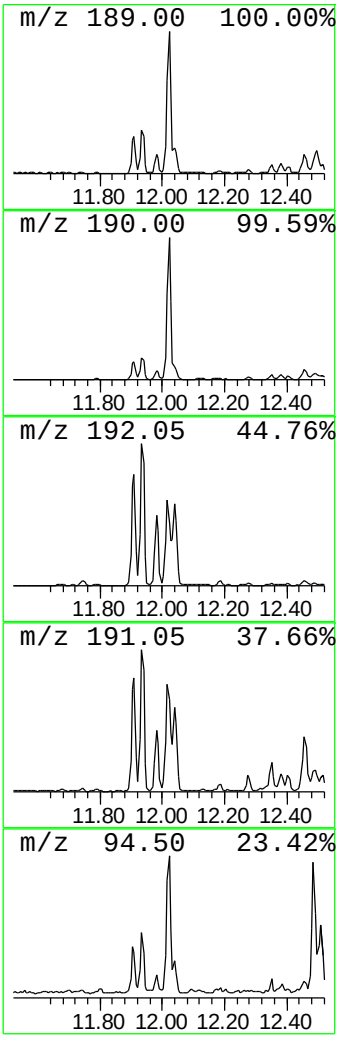
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	25.05 ng	1368540	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

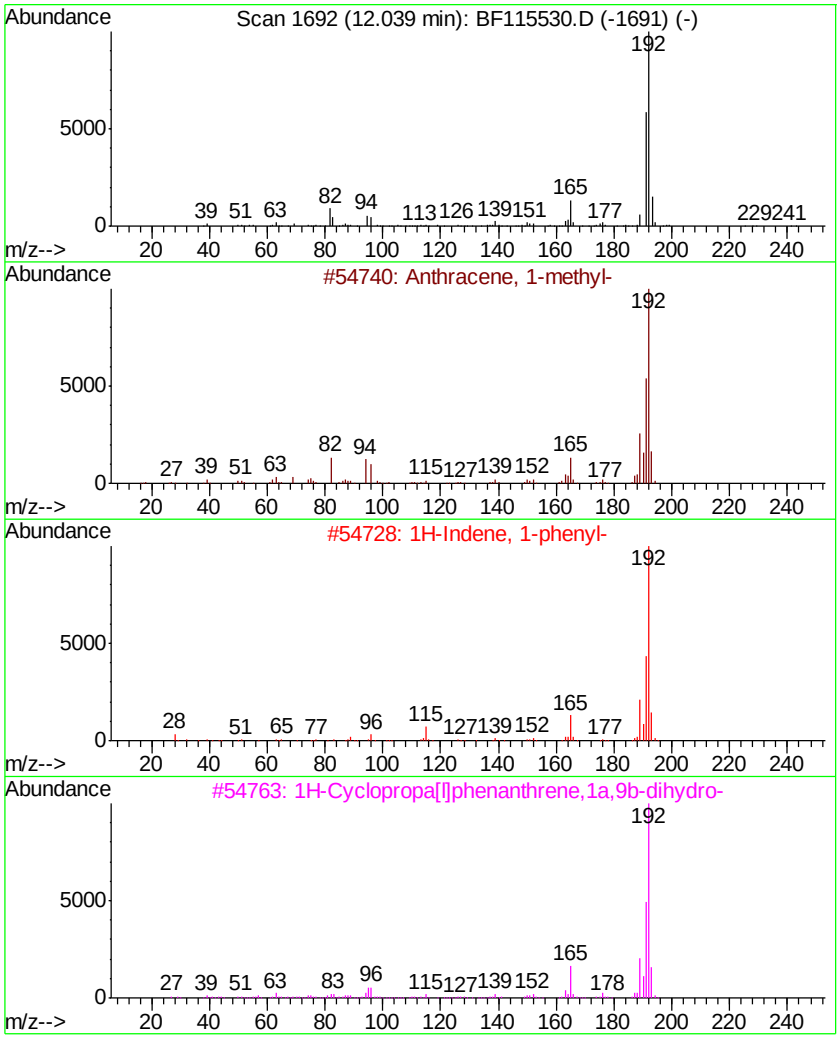
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

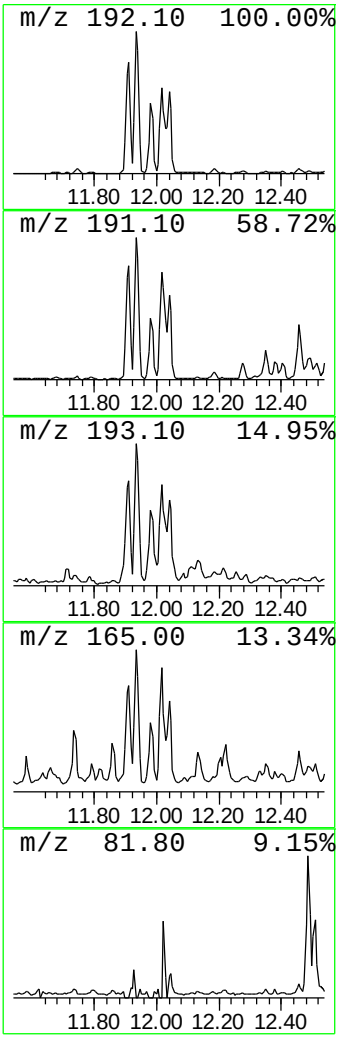
****

Peak Number 13 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.73 ng	367696	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

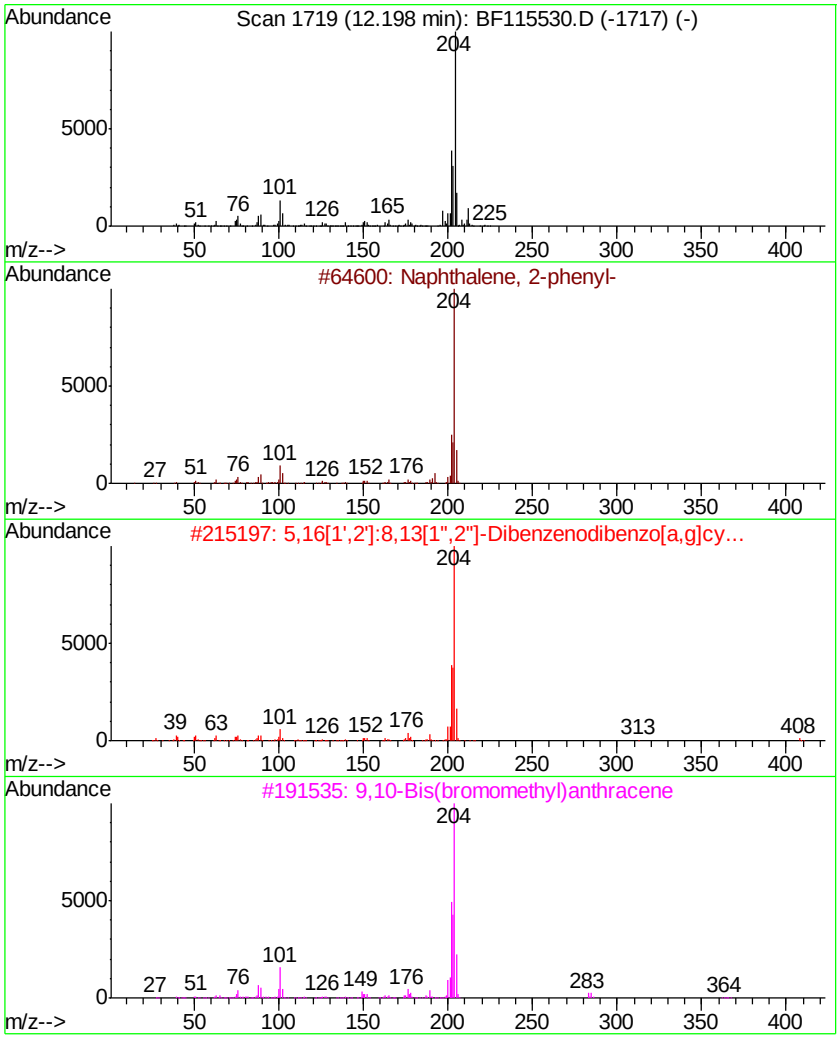
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

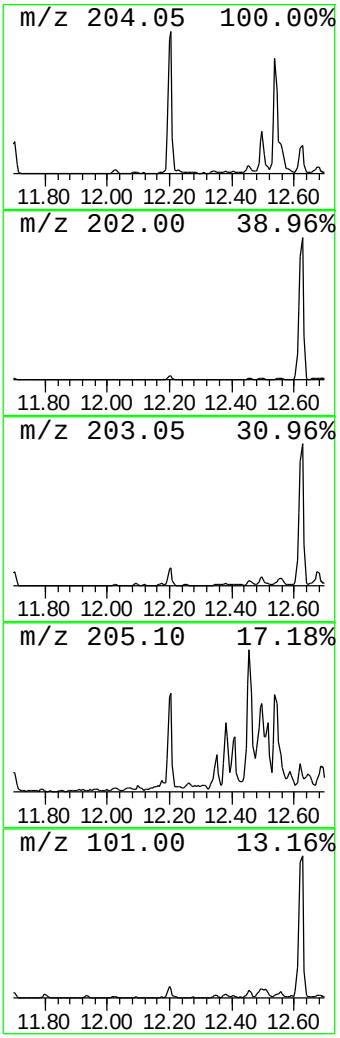
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	6.38 ng	348763	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

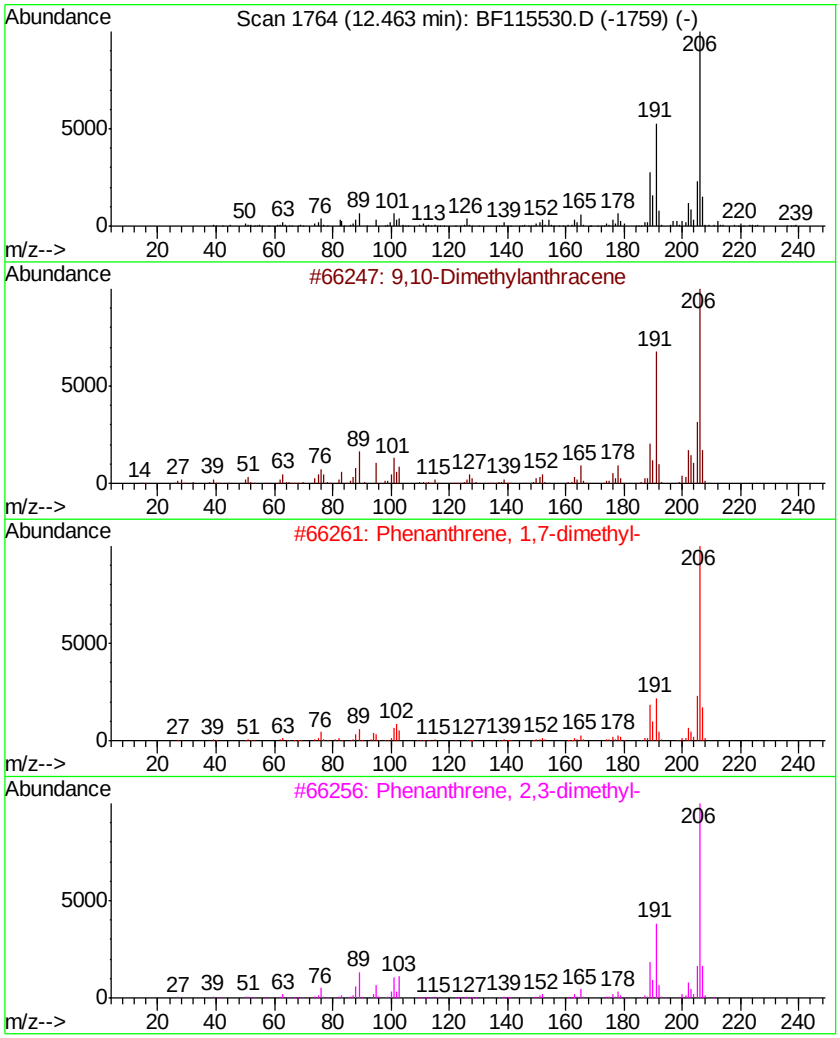
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

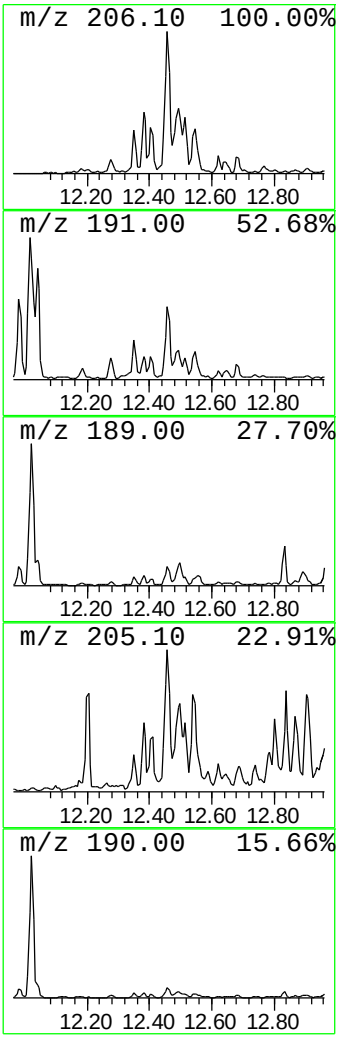
****

Peak Number 15 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	9.76 ng	533373	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

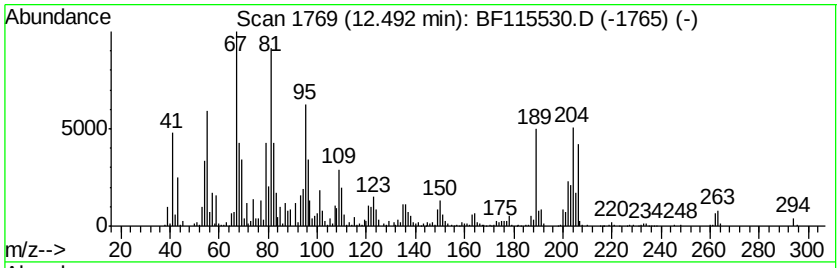
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

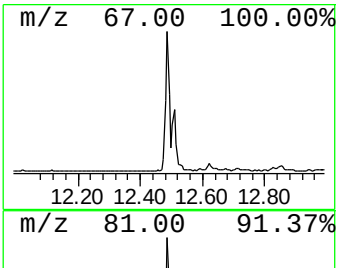
****

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	23.03 ng	1258110	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	97
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

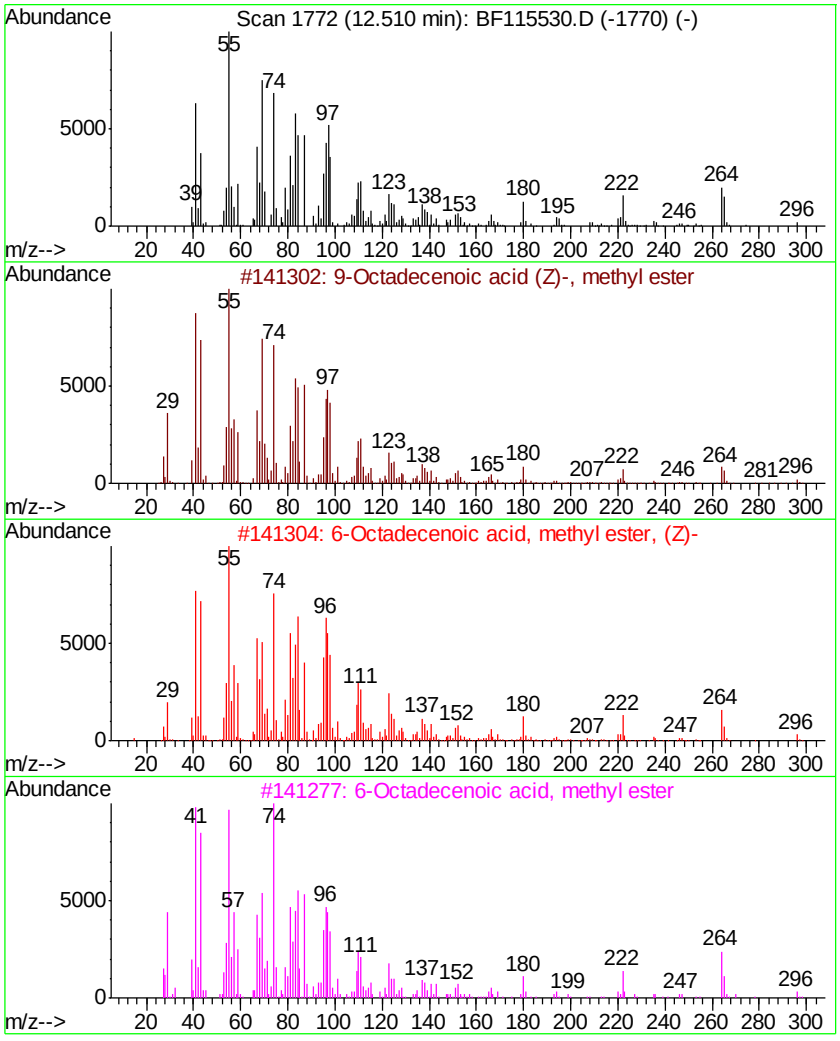
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

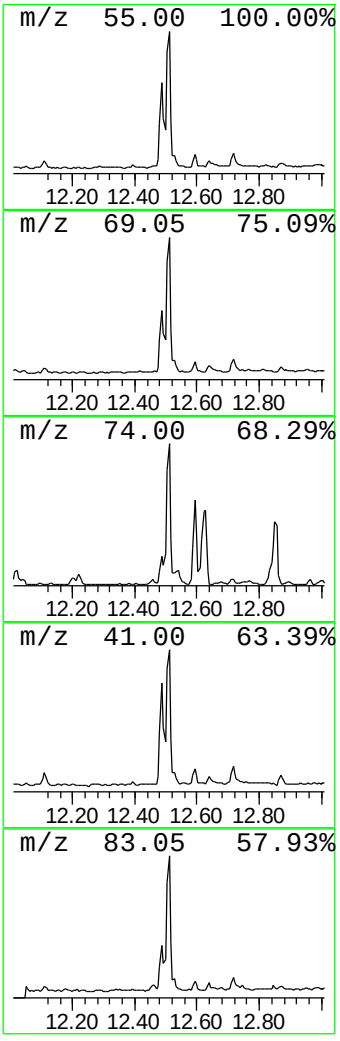
****

Peak Number 17 9-Octadecenoic acid (Z)-, m... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	23.13 ng	1263550	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99
3	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

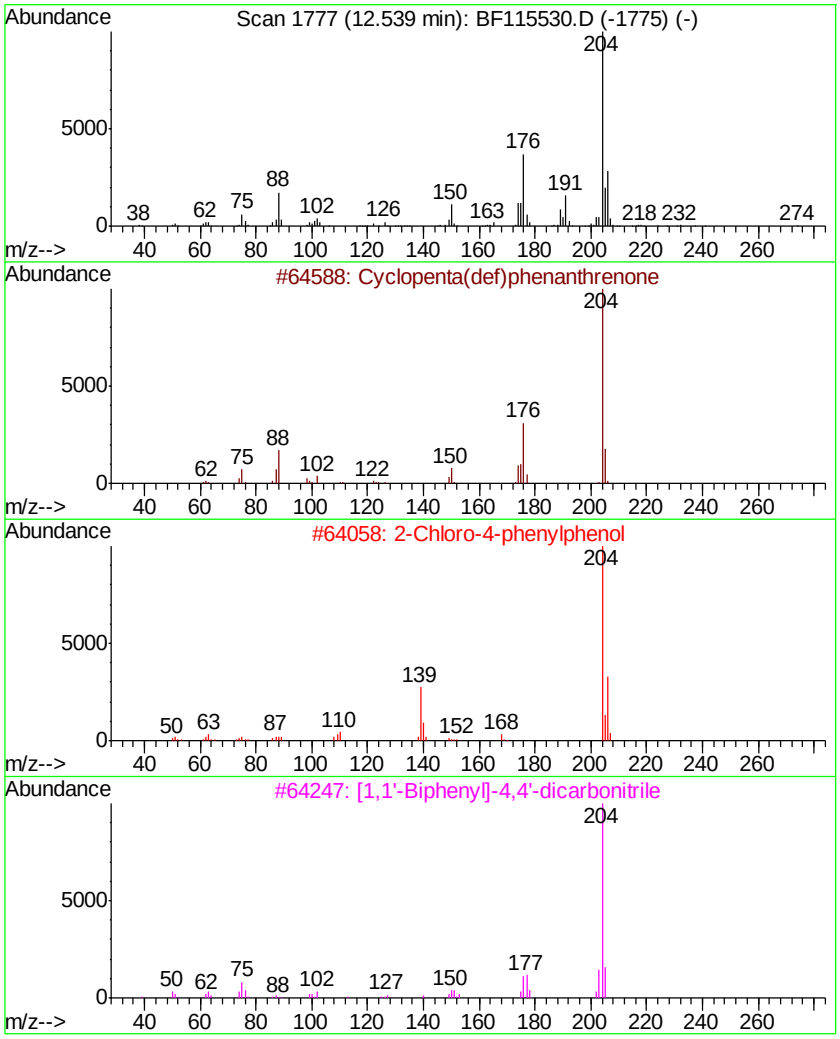
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

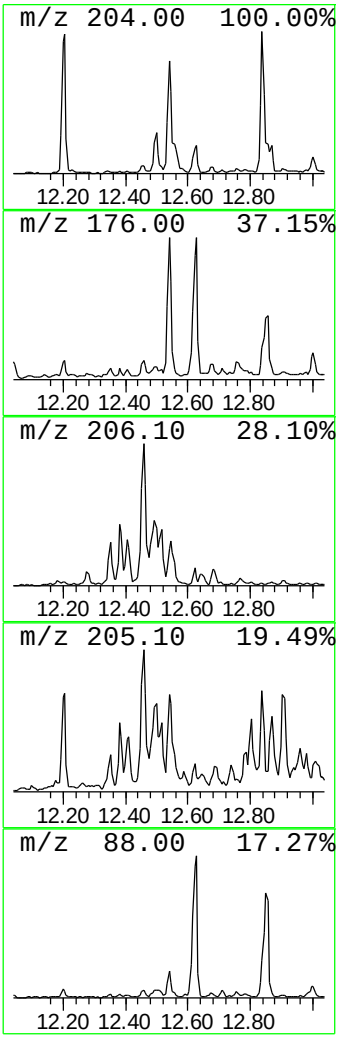
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	9.02 ng	492882	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	49
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

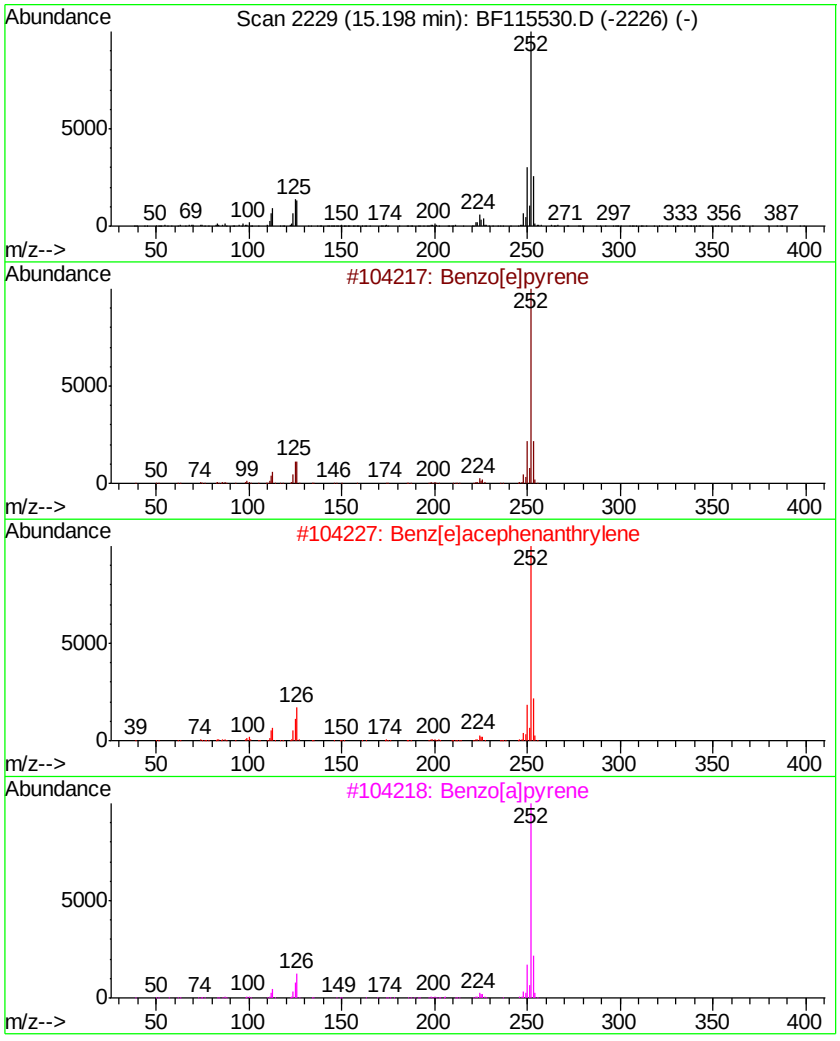
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

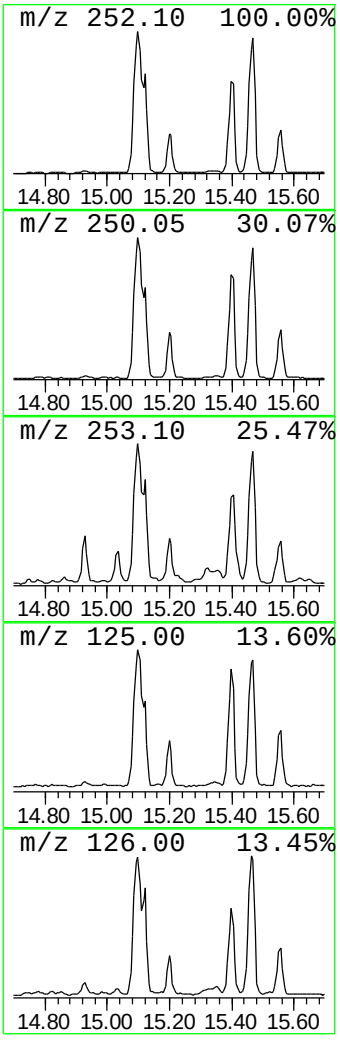
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	13.75 ng	658228	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

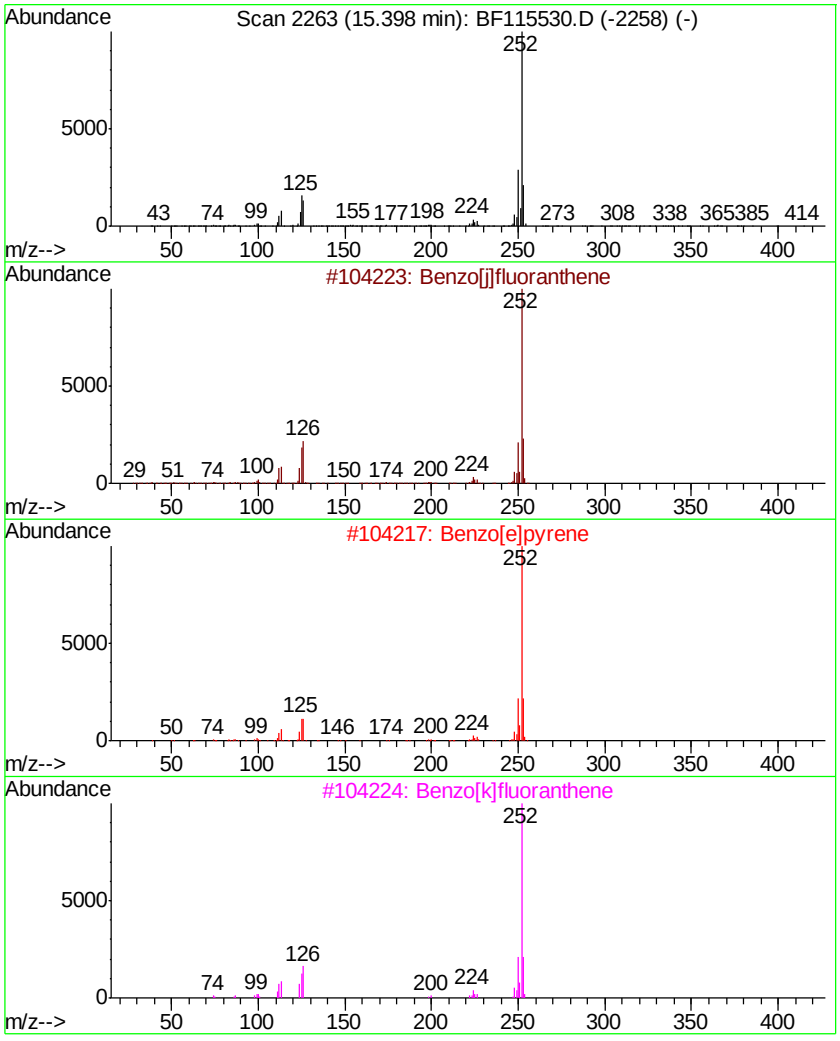
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

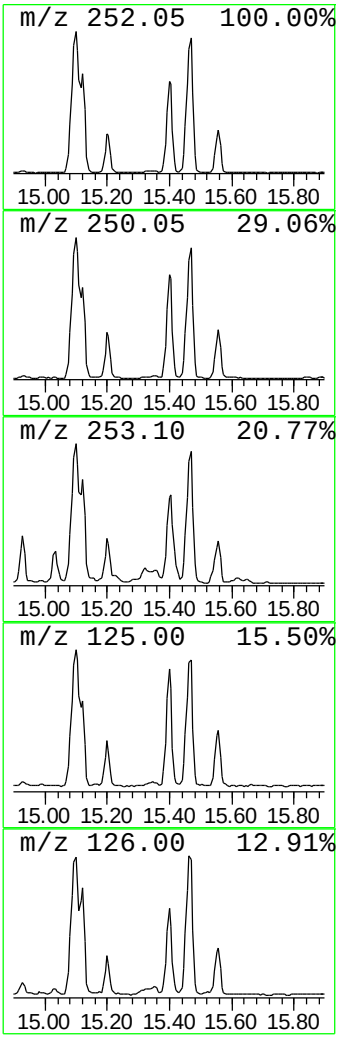
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	35.44 ng	1696380	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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...	2.17	23.8	ng	1001250	1	6.88	840438	20.0
unknown6.65	6.65	40.2	ng	1688760	1	6.88	840438	20.0
Naphthalene, 2,6-...	9.50	7.6	ng	487132	3	9.92	1286950	20.0
Heptadecane	10.83	5.8	ng	318980	4	11.40	1092790	20.0
9H-Fluorene, 2-me...	11.02	6.8	ng	370498	4	11.40	1092790	20.0
Dibenzothiophene	11.30	7.3	ng	398517	4	11.40	1092790	20.0
Hexadecanoic acid...	11.80	6.5	ng	357947	4	11.40	1092790	20.0
Phenanthrene, 2-m...	11.91	13.4	ng	733299	4	11.40	1092790	20.0
Phenanthrene, 1-m...	11.93	18.9	ng	1031040	4	11.40	1092790	20.0
1H-Cyclopropa[l]p...	11.98	7.0	ng	383953	4	11.40	1092790	20.0
4H-Cyclopenta[def...	12.02	25.1	ng	1368540	4	11.40	1092790	20.0
Anthracene, 1-met...	12.04	6.7	ng	367696	4	11.40	1092790	20.0
Naphthalene, 2-ph...	12.20	6.4	ng	348763	4	11.40	1092790	20.0
9,10-Dimethylanth...	12.46	9.8	ng	533373	4	11.40	1092790	20.0
9,12-Octadecadien...	12.49	23.0	ng	1258110	4	11.40	1092790	20.0
9-Octadecenoic ac...	12.51	23.1	ng	1263550	4	11.40	1092790	20.0
Cyclopenta(def)ph...	12.54	9.0	ng	492882	4	11.40	1092790	20.0
Benzo[e]pyrene	15.20	13.8	ng	658228	6	15.53	957245	20.0
Benzo[j]fluoranthene	15.40	35.4	ng	1696380	6	15.53	957245	20.0