LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115877.D
Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

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-BF073019.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	2.122	3	6	15	rVB	715375	873238	32.43%	1.844%
2	2.493	60	69	76	rVB	46980	79187	2.94%	0.167%
3	5.475	572	576	599	rVB	2654809	2541224	94.38%	5.366%
4	6.486	743	748	765	rVB	2677928	2675893	99.38%	5.651%
5	6.622	767	771	775	rBV	3001347	2692671	100.00%	5.686%
6	6.851	806	810	818	rBV	1026247	841028	31.23%	1.776%
7	7.010	833	837	840	rBV	2405068	2082670	77.35%	4.398%
8	7.410	901	905	908	rBV	1872172	1639814	60.90%	3.463%
9	8.133	1024	1028	1030	rBV	1131931	999439	37.12%	2.110%
10	8.151	1030	1031	1036	rVB	99887	72777	2.70%	0.154%
11	8.851	1147	1150	1153	rBV	37783	33898	1.26%	0.072%
12	8.945	1163	1166	1170	rVB	41917	37697	1.40%	0.080%
13	9.210	1207	1211	1214	rBV	3179094	2590945	96.22%	5.471%
14	9.480	1252	1257	1263	rBV3	19871	33314	1.24%	0.070%
15	9.551	1265	1269	1271	rVV	45833	43415	1.61%	0.092%
16	9.604	1275	1278	1286	rVB	445054	377534	14.02%	0.797%
17	9.751	1299	1303	1307	rBV	248682	215398	8.00%	0.455%
18	9.822	1311	1315	1320	rVV2	23256	35414	1.32%	0.075%
19	9.892	1320	1327	1330	rVV	1321554	1110653	41.25%	2.345%
20	9.922	1330	1332	1337	rVB	91986	80814	3.00%	0.171%
21	10.098	1358	1362	1366	rBV	87536	88823	3.30%	0.188%
22	10.204	1377	1380	1383	rBV3	28152	34796	1.29%	0.073%
23	10.298	1392	1396	1398	rBV3	36894	38418	1.43%	0.081%
24	10.345	1402	1404	1409	rBV3	26600	33639	1.25%	0.071%
25	10.439	1417	1420	1426	rBV2	108087	111757	4.15%	0.236%
26	10.598	1444	1447	1450	rVB	59260	47998	1.78%	0.101%
27	10.680	1457	1461	1467	rBV	1633993	1494244	55.49%	3.155%
28	10.804	1479	1482	1486	rBV4	46973	59240	2.20%	0.125%
29	10.992	1511	1514	1516	rVB2	35538	31887	1.18%	0.067%
30	11.116	1532	1535	1537	rBV2	47647	46407	1.72%	0.098%
31	11.139	1537	1539	1544	rVB	51826	49270	1.83%	0.104%
32	11.180	1544	1546	1550	rBV	110488	110421	4.10%	0.233%
33	11.239	1551	1556	1558	rVV4	47845	81268	3.02%	0.172%
34	11.274	1559	1562	1567	rVB	104141	107327	3.99%	0.227%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.380	1576	1580	1581	rBV	1002512	898039	33.35%	1.896%
36	11.404	1581	1584	1587	rVV	1659826	1413332	52.49%	2.984%
37	11.451	1589	1592	1595	rVV	312201	288802	10.73%	0.610%
38	11.486	1595	1598	1601	rVV	65661	65746	2.44%	0.139%
39	11.610	1614	1619	1621	rBV2	160691	209270	7.77%	0.442%
40	11.674	1627	1630	1634	rVB2	70164	71197	2.64%	0.150%
41	11.716	1634	1637	1641	rBV4	51511	75506	2.80%	0.159%
42	11.880	1662	1665	1667	rBV	220086	184299	6.84%	0.389%
43	11.910	1667	1670	1673	rVV	572272	527777	19.60%	1.114%
44	11.957	1676	1678	1680	rVV	115716	109468	4.07%	0.231%
45	11.992	1681	1684	1686	rVV2	337532	367594	13.65%	0.776%
46	12.015	1686	1688	1692	rVB	179251	145419	5.40%	0.307%
47	12.174	1712	1715	1717	rBV	193990	166288	6.18%	0.351%
48	12.204	1717	1720	1723	rVB	229497	207792	7.72%	0.439%
49	12.433	1756	1759	1761	rBV	152384	167728	6.23%	0.354%
50	12.515	1771	1773	1778	rVB	172990	169511	6.30%	0.358%
51	12.598	1783	1787	1790	rVV	2624393	2325455	86.36%	4.911%
52	12.692	1800	1803	1806	rBV2	247310	263679	9.79%	0.557%
53	12.827	1820	1826	1829	rBV	2368202	2503043	92.96%	5.286%
54	12.962	1843	1849	1852	rBV	2012879	1960787	72.82%	4.141%
55	13.127	1875	1877	1878	rBV2	141451	128558	4.77%	0.271%
56	13.151	1879	1881	1885	rVB	304629	243703	9.05%	0.515%
57	13.257	1896	1899	1903	rVB2	256482	254425	9.45%	0.537%
58	13.351	1912	1915	1917	rVB	146193	138563	5.15%	0.293%
59	13.380	1917	1920	1923	rBV2	164416	190124	7.06%	0.401%
60	13.662	1965	1968	1972	rBV	294454	286928	10.66%	0.606%
61	13.768	1983	1986	1988	rBV2	275387	292631	10.87%	0.618%
62	13.798	1989	1991	1993	rVV	267112	229933	8.54%	0.486%
63	13.827	1993	1996	2001	rVV3	228707	409954	15.22%	0.866%
64	13.868	2001	2003	2010	rVB	369607	468051	17.38%	0.988%
65	14.015	2024	2028	2032	rBV2	1600387	2428575	90.19%	5.128%
66	14.051	2032	2034	2037	rVB	1384907	1016696	37.76%	2.147%
67	14.168	2052	2054	2056	rBV	145641	130208	4.84%	0.275%
68	14.409	2093	2095	2098	rVB	269870	213815	7.94%	0.452%
69	15.074	2203	2208	2210	rBV	1267921	2002596	74.37%	4.229%
70	15.174	2223	2225	2228	rVB	256194	249607	9.27%	0.527%
71	15.374	2255	2259	2265	rVB	800433	1099781	40.84%	2.322%

LSC Area Percent Report

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Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.439	2265	2270	2275	rBV	1118966	1463831	54.36%	3.091%
73	15.498	2276	2280	2283	rBV	762373	976113	36.25%	2.061%
74	16.968	2525	2530	2538	rVB2	443875	908713	33.75%	1.919%
75	17.415	2600	2606	2619	rVB	327783	709999	26.37%	1.499%

Sum of corrected areas: 47356054

LSC Report - Integrated Chromatogram

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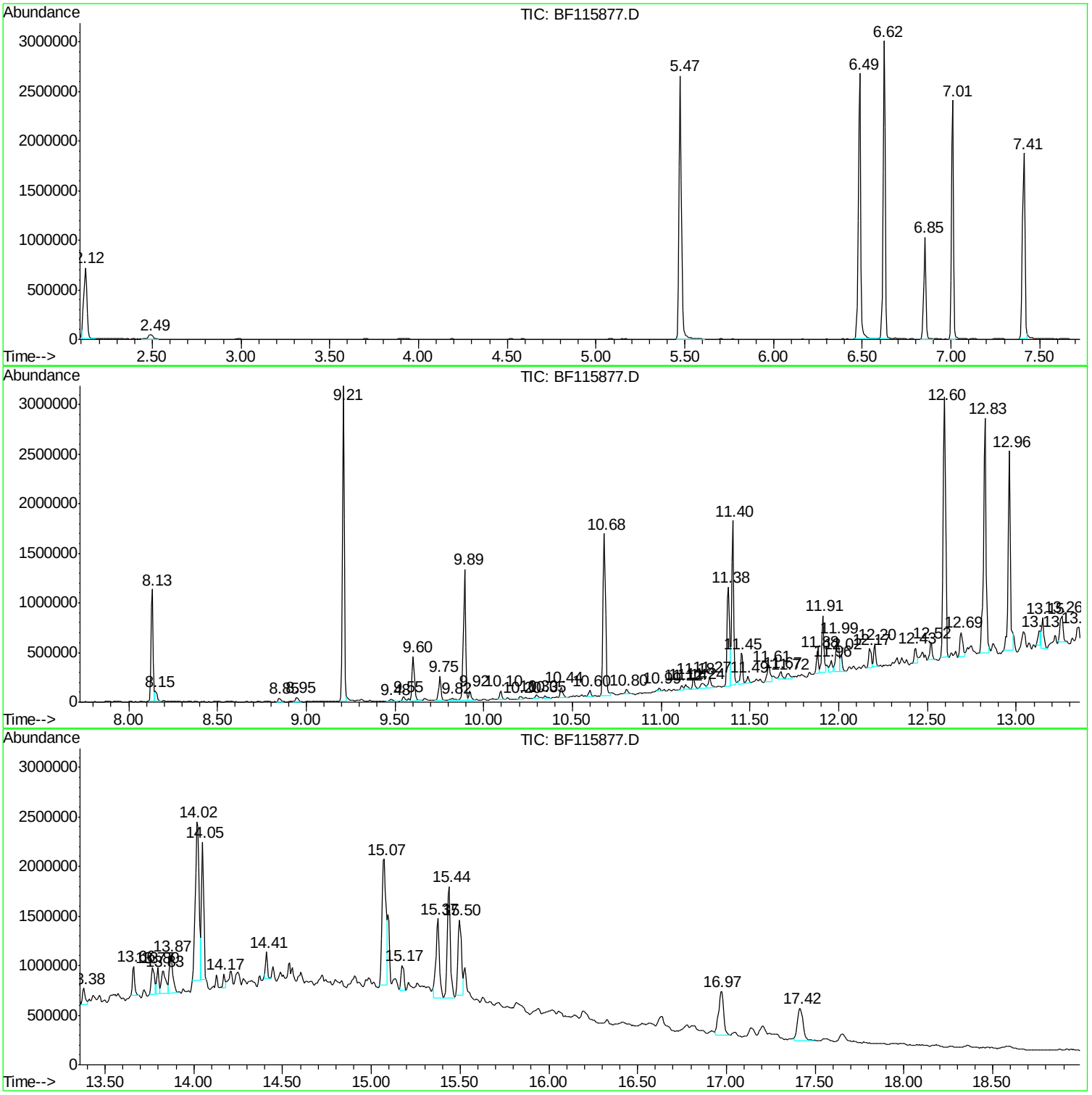
Data File : BF115877.D
Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF073119\
Data File : BF115877.D
Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

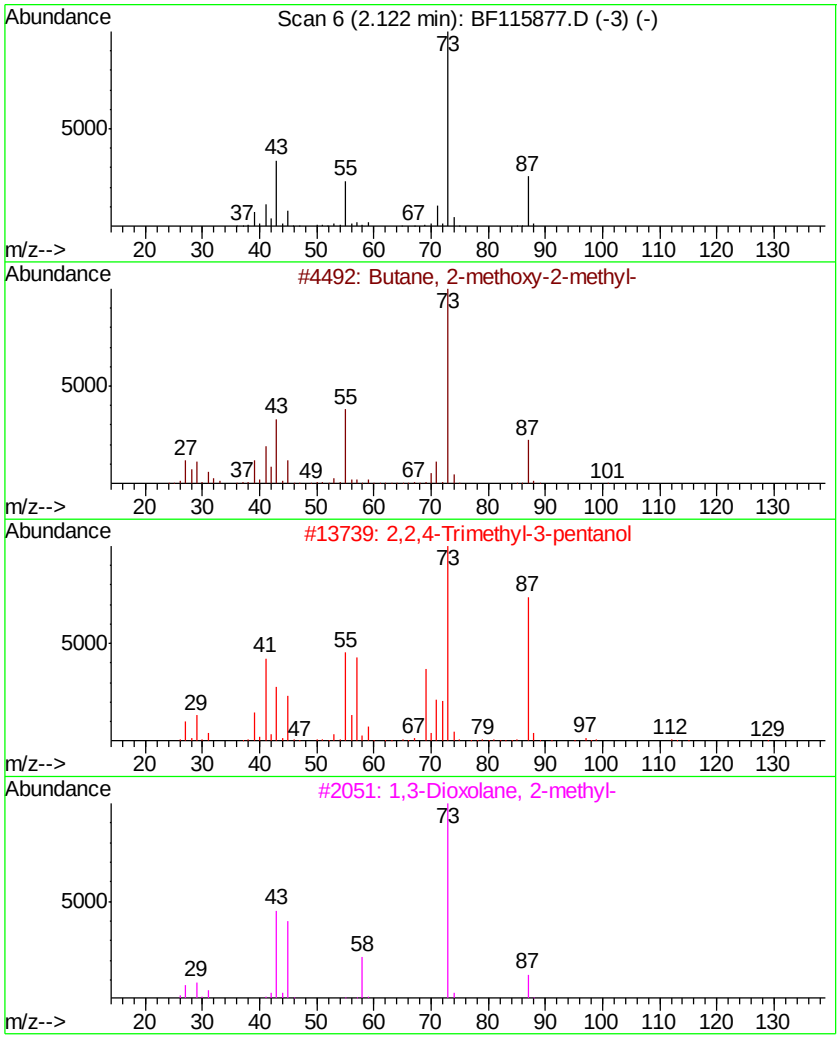
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

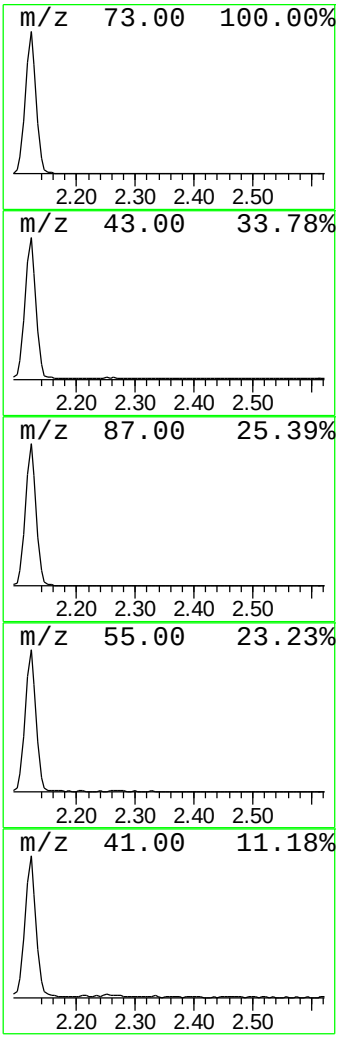
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	20.77 ng	873238	1,4-Dichlorobenzene-d4	6.85

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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115877.D
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Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

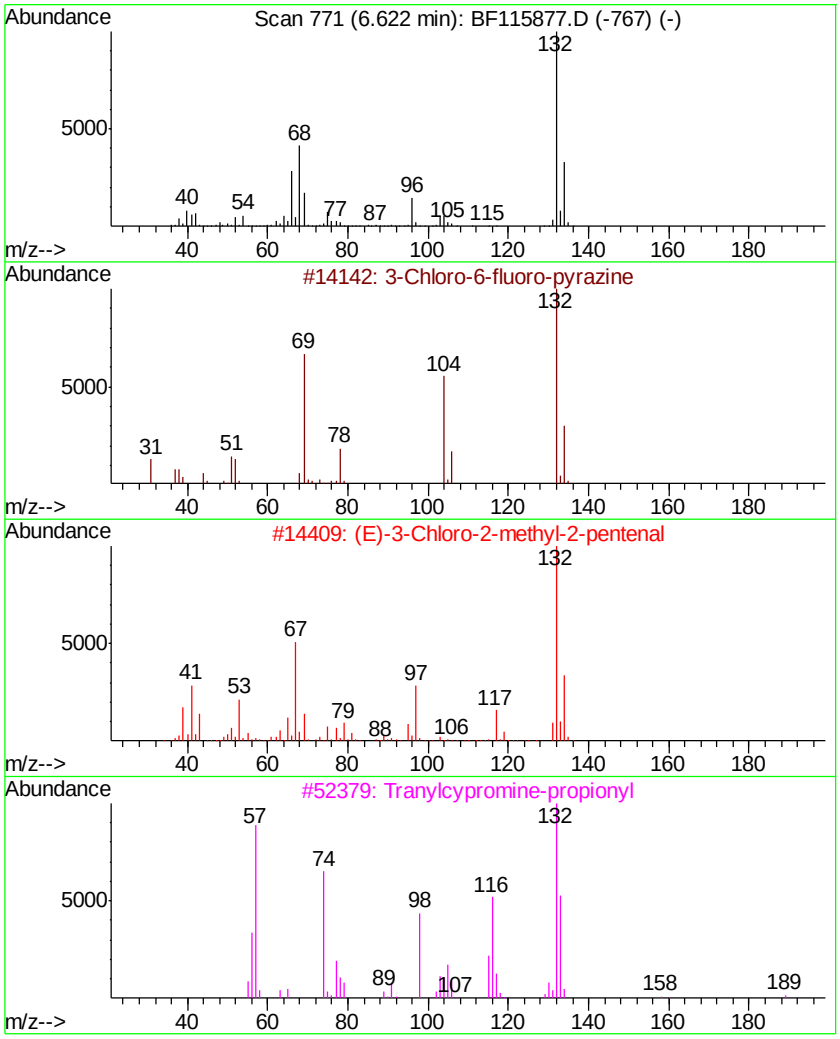
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

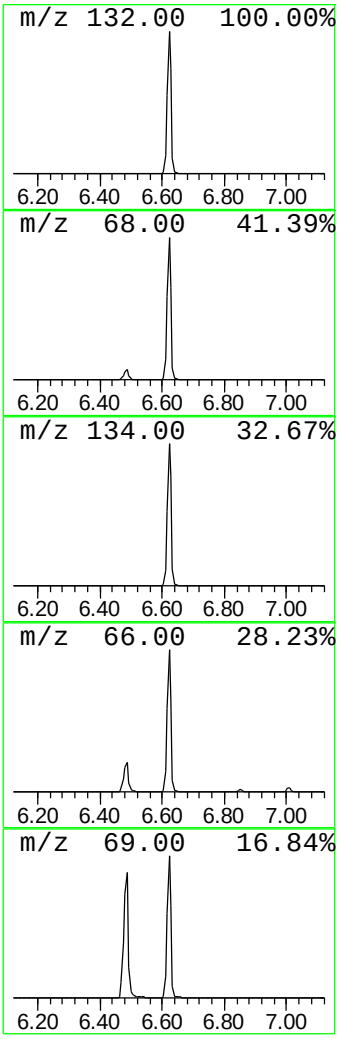
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	64.03 ng	2692670	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

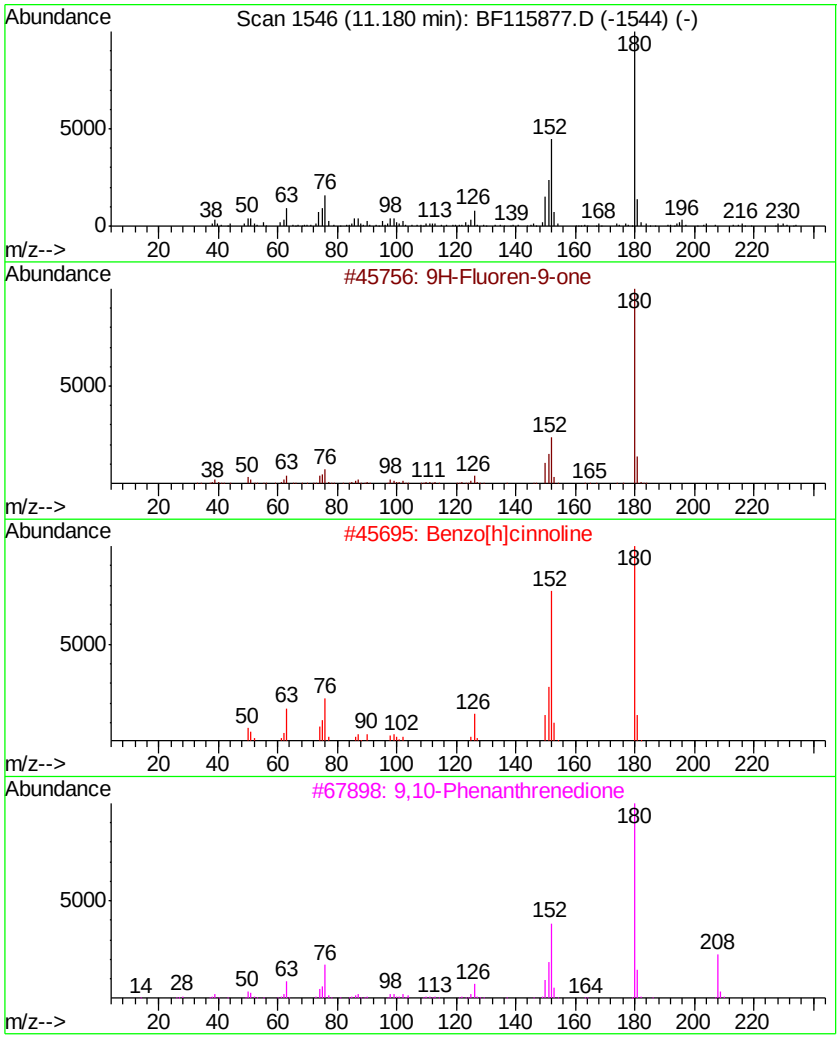
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

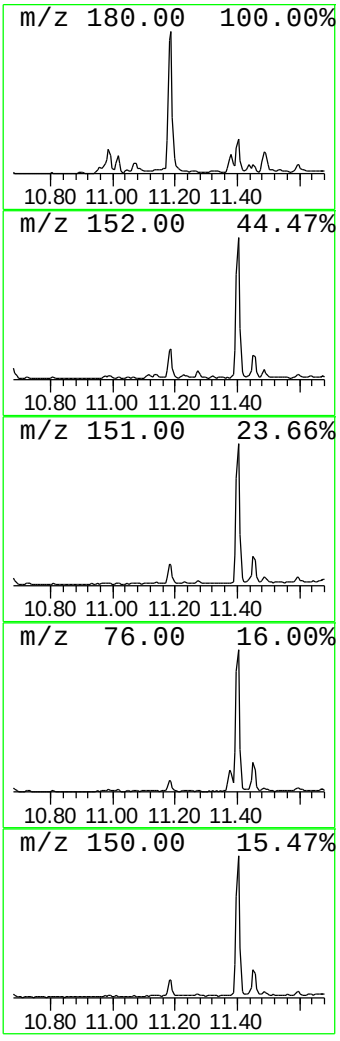
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	2.46 ng	110421	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	68
5	Diphenic anhydride	224	C14H8O3	006050-13-1	58





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

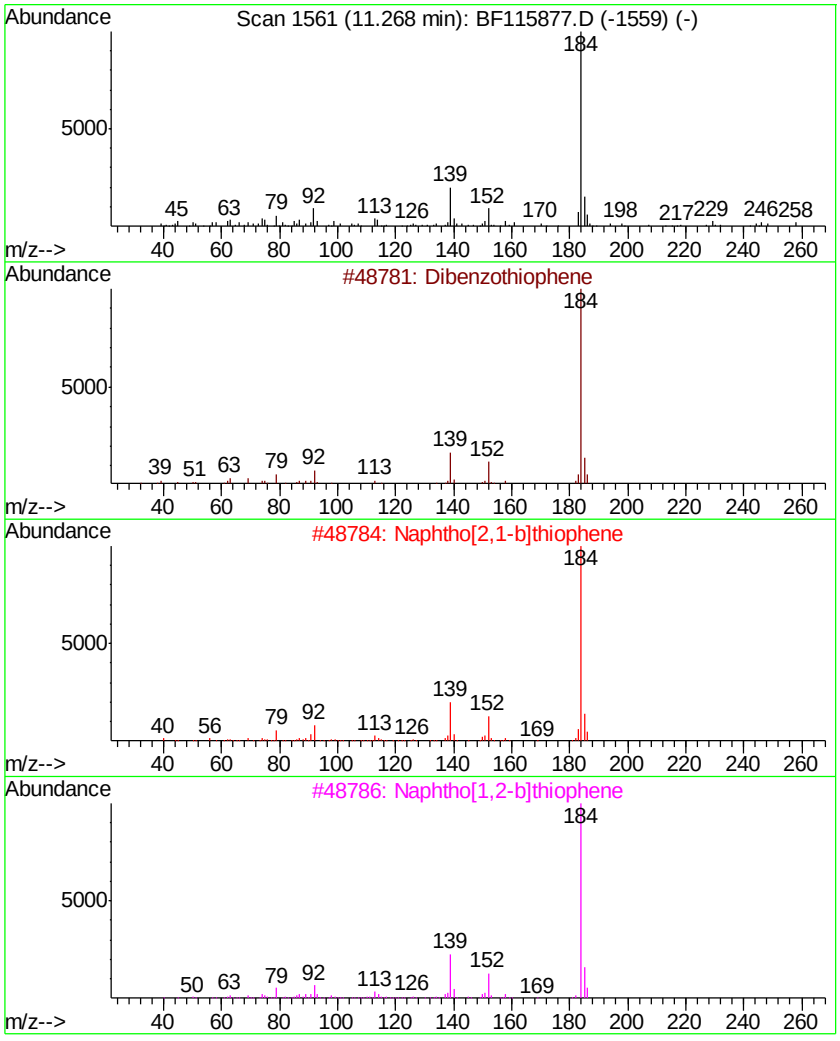
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

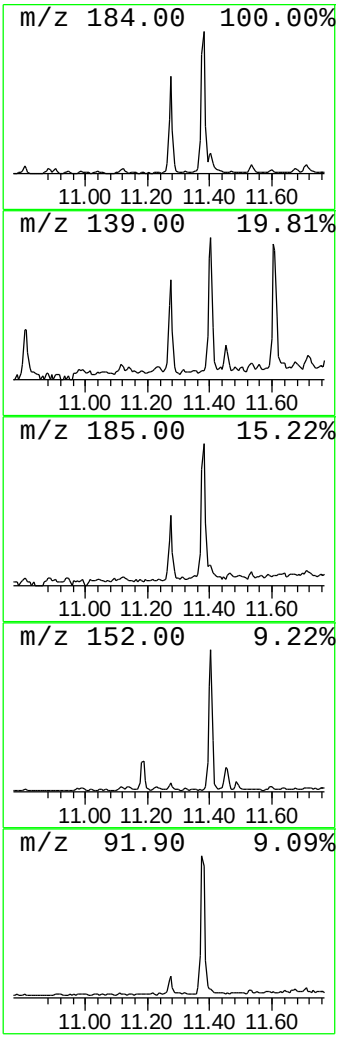
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.39 ng	107327	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115877.D
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Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

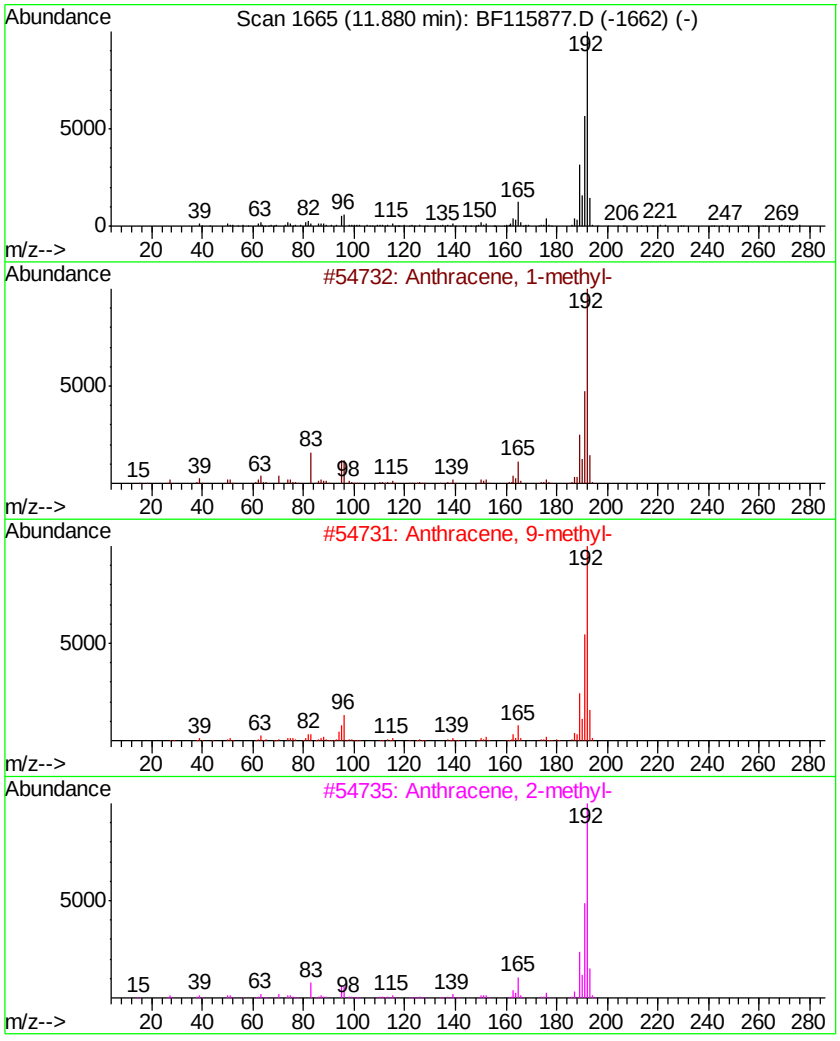
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

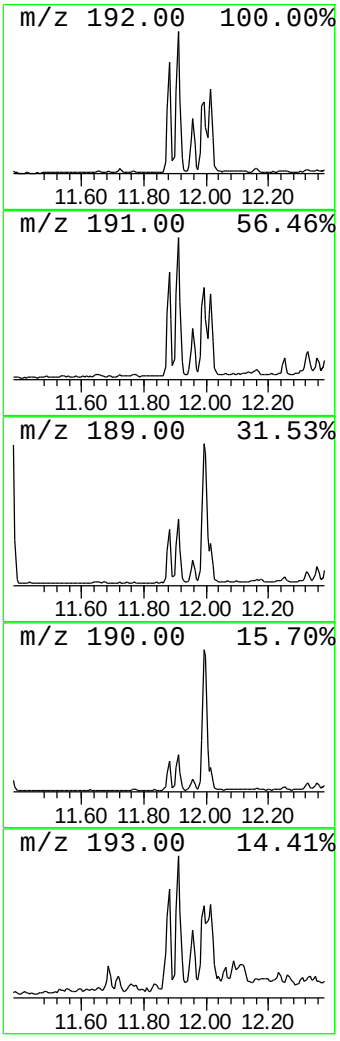
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.10 ng	184299	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115877.D
Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

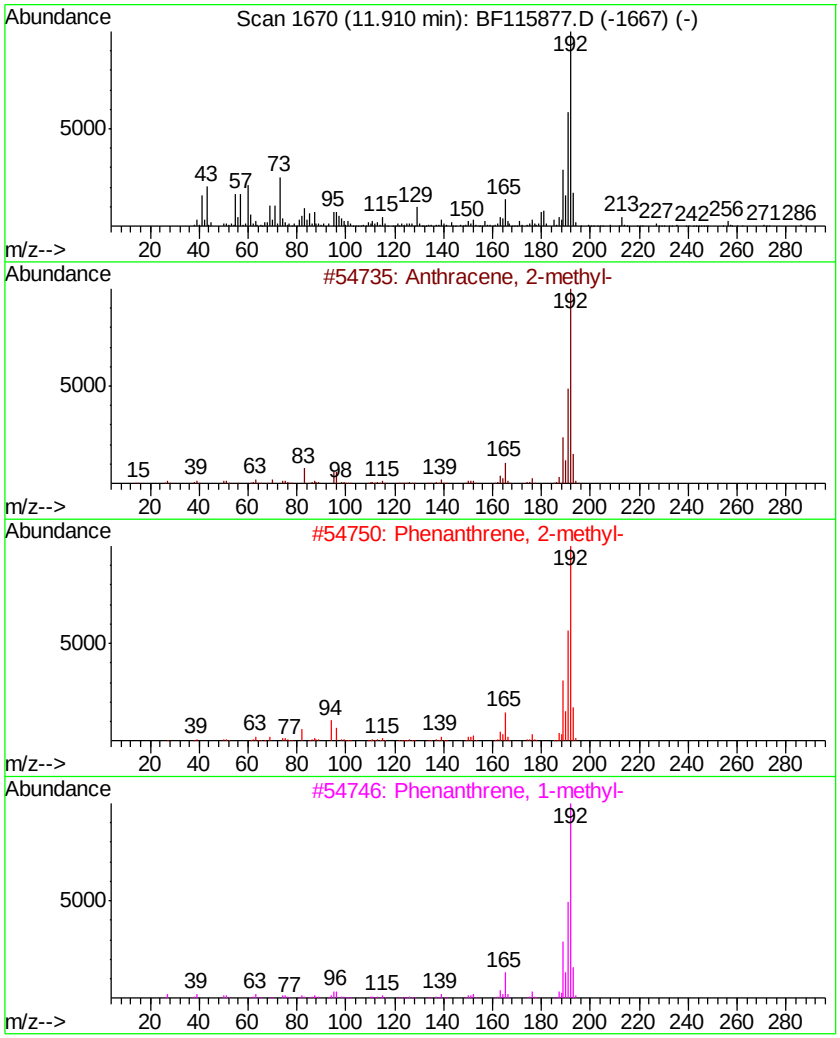
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

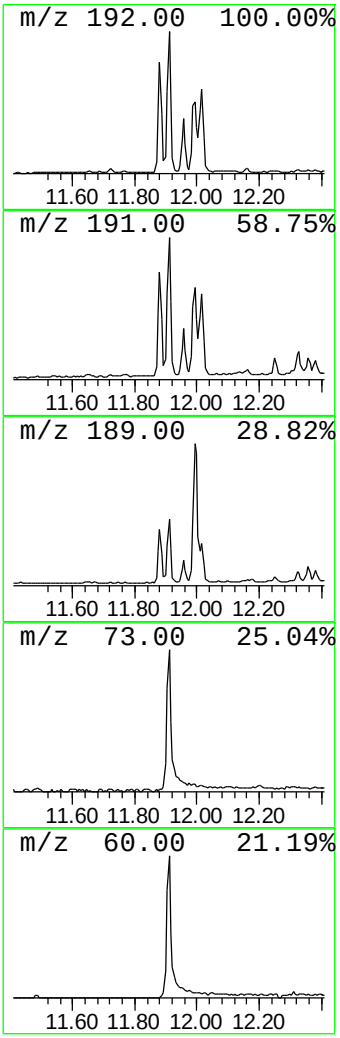
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	11.75 ng	527777	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115877.D
Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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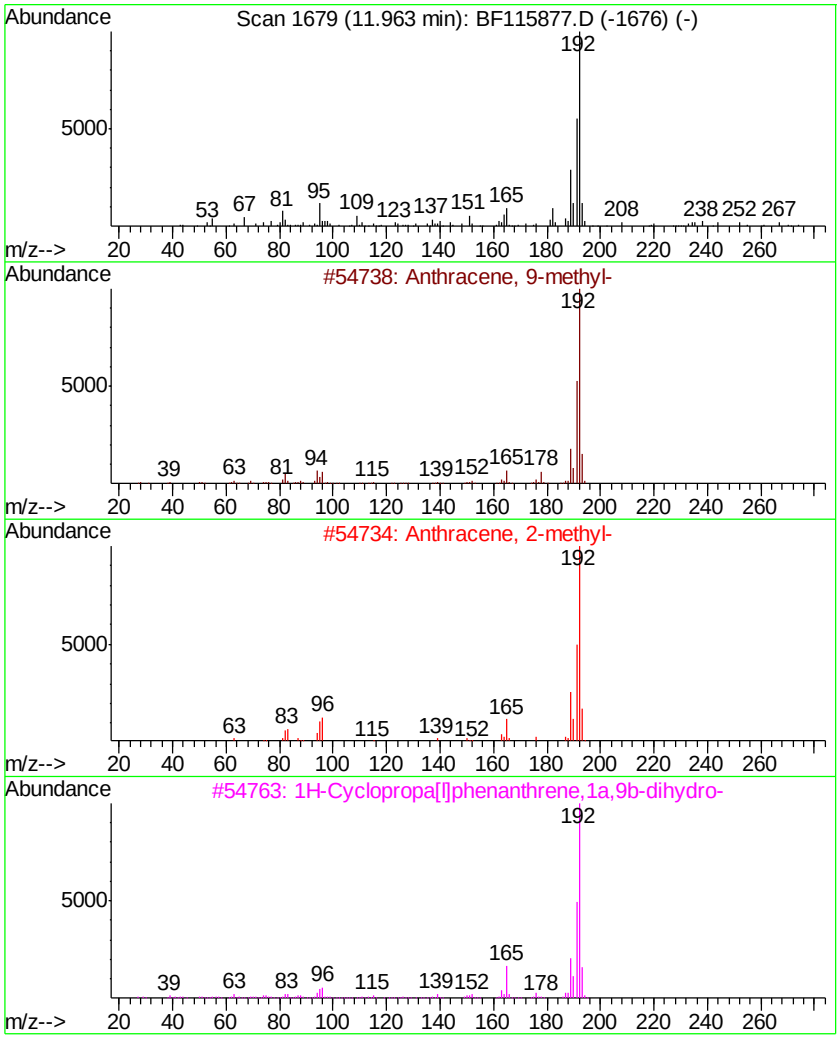
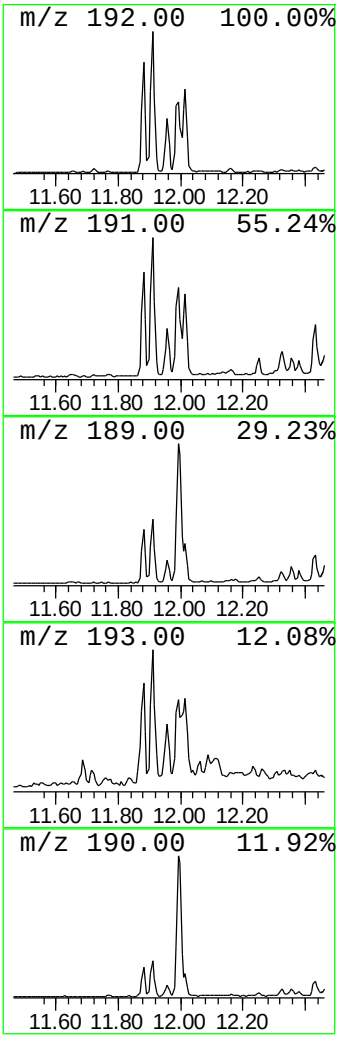
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.44 ng	109468	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





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Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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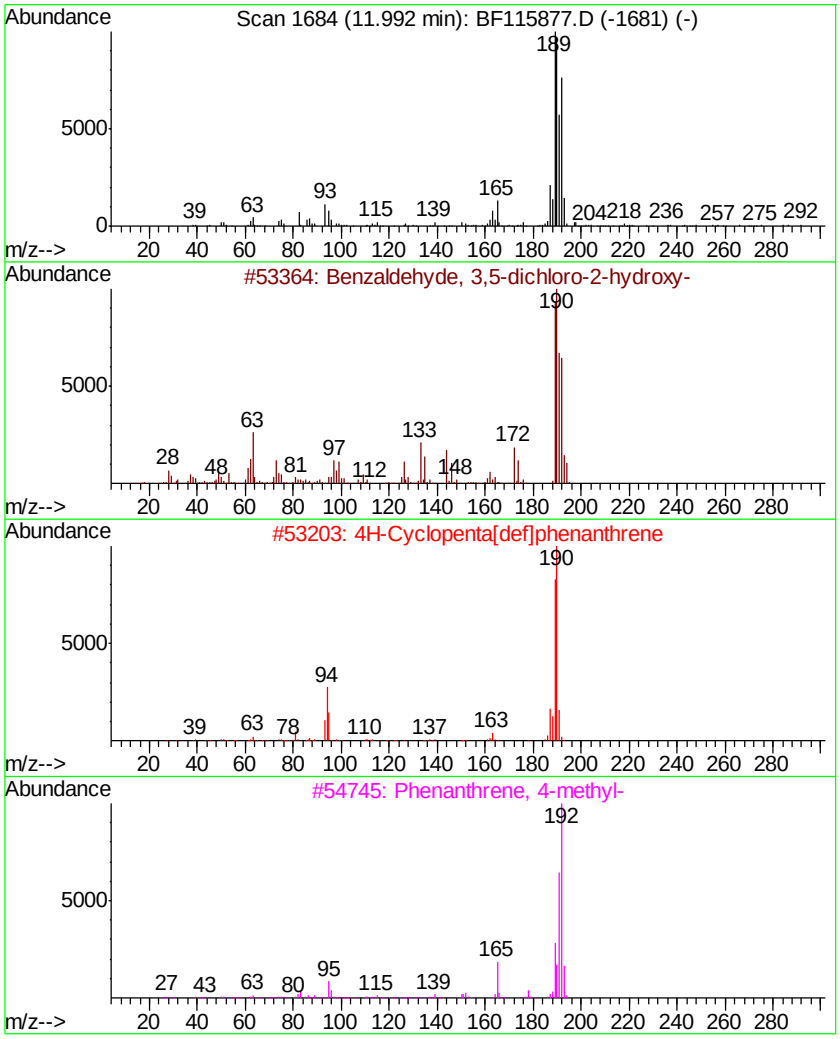
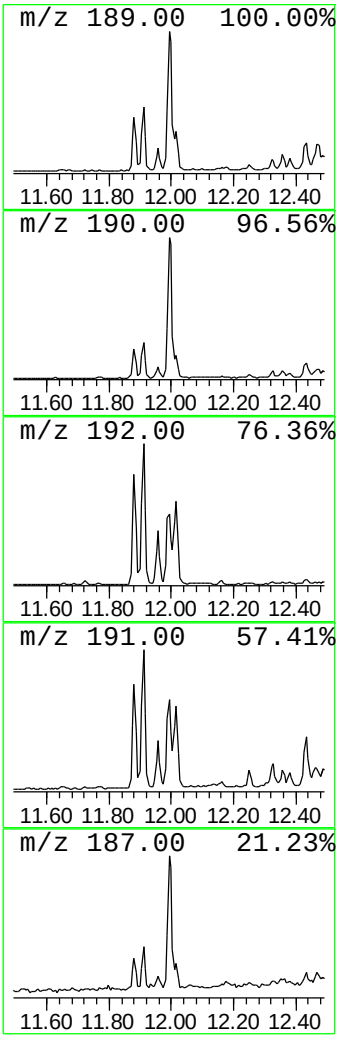
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	8.19 ng	367594	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	41
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38





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

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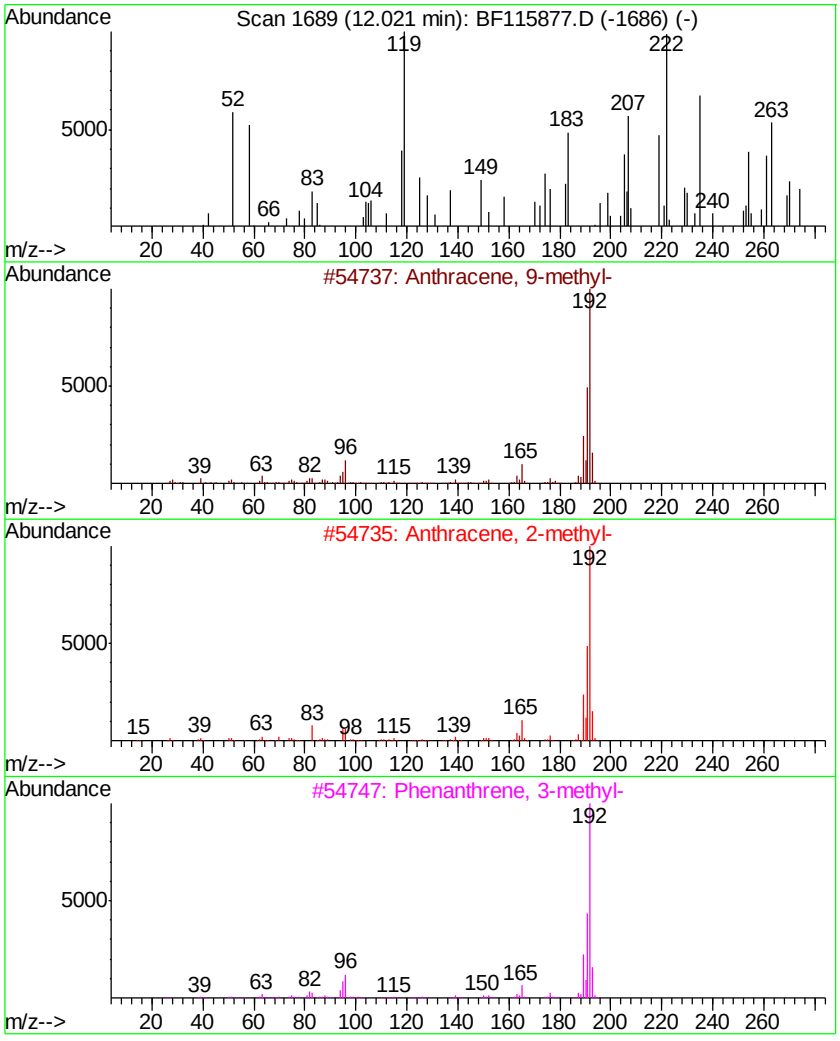
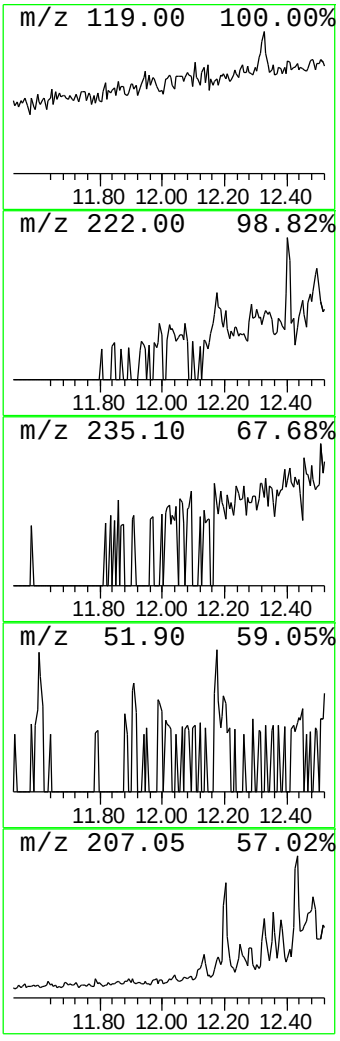
Peak Number 10 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.24 ng	145419	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	83





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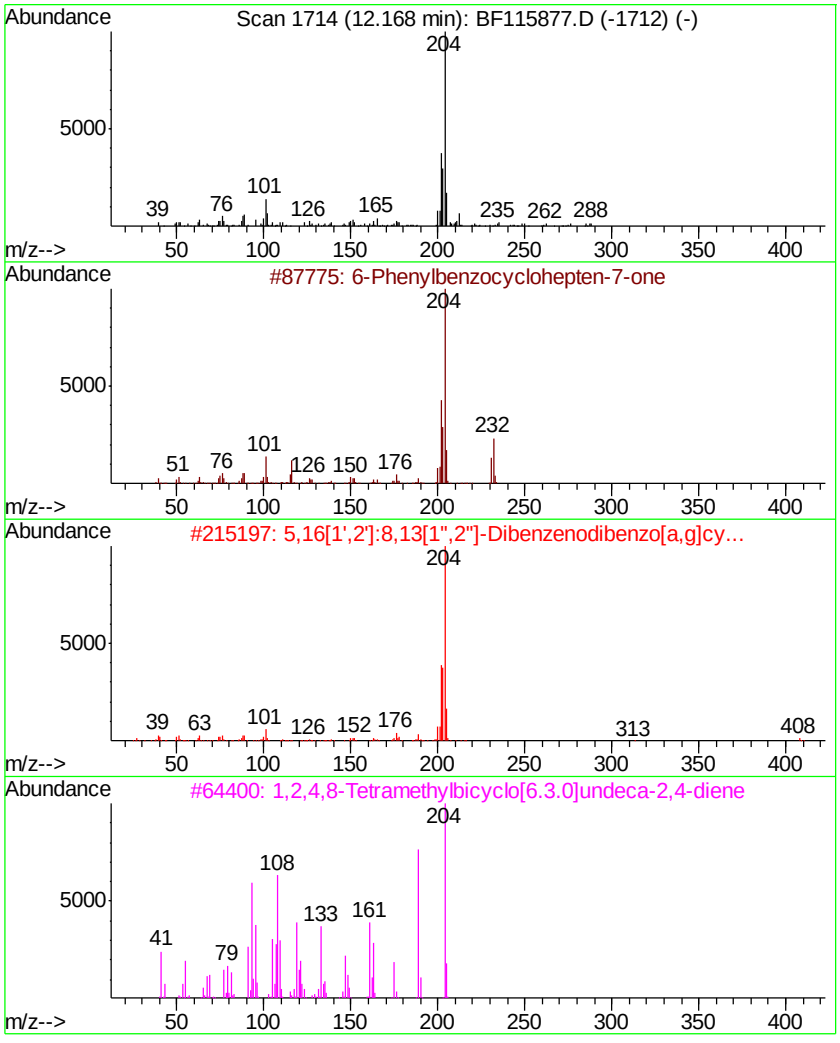
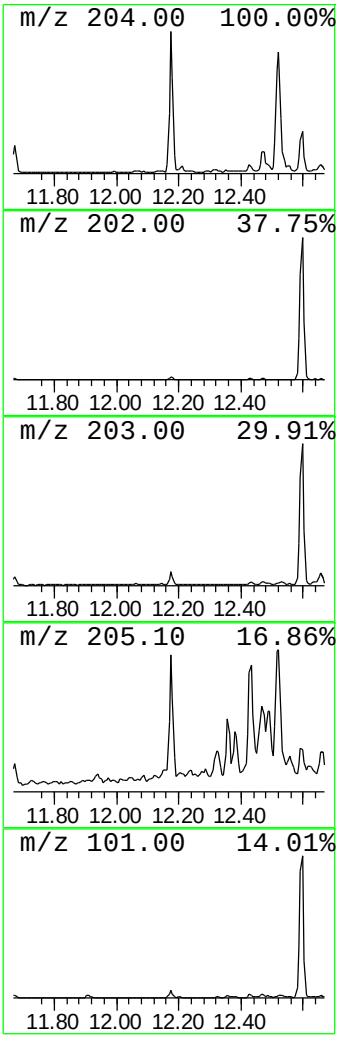
Peak Number 11 6-Phenylbenzocyclohepten-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.70 ng	166288	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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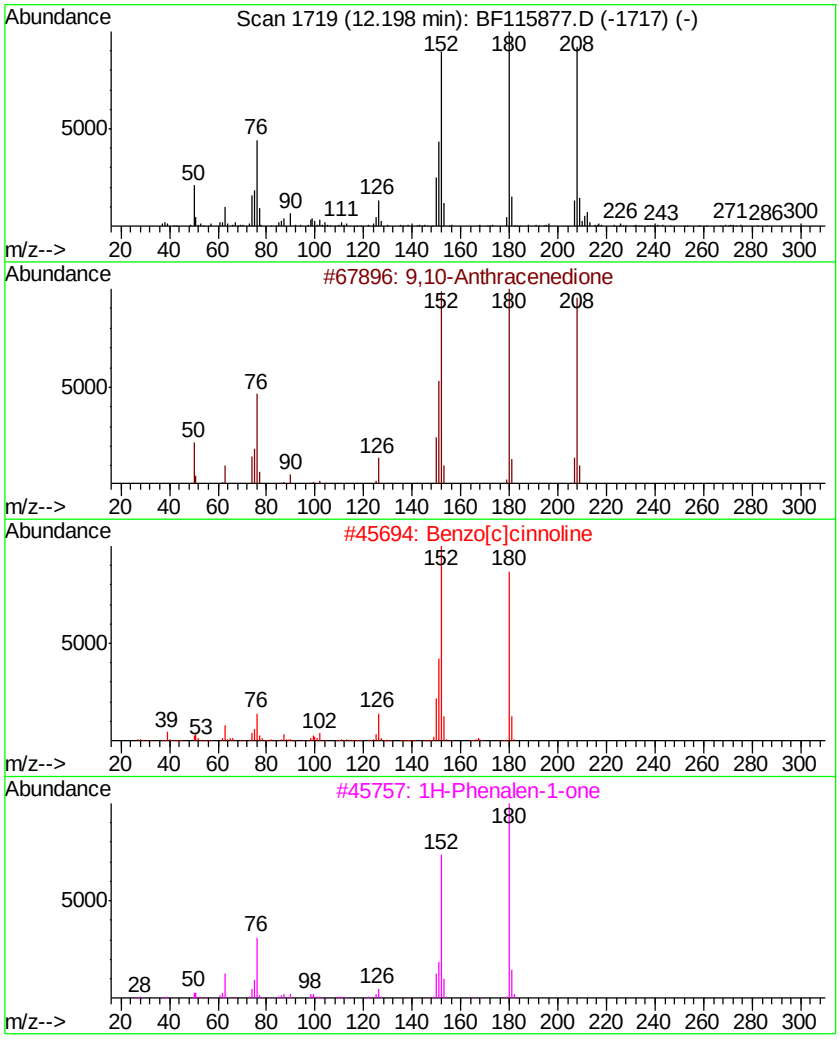
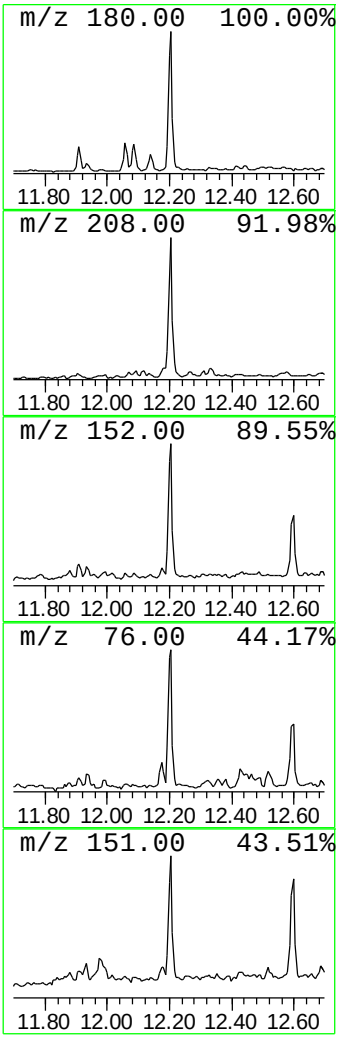
Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.63 ng	207792	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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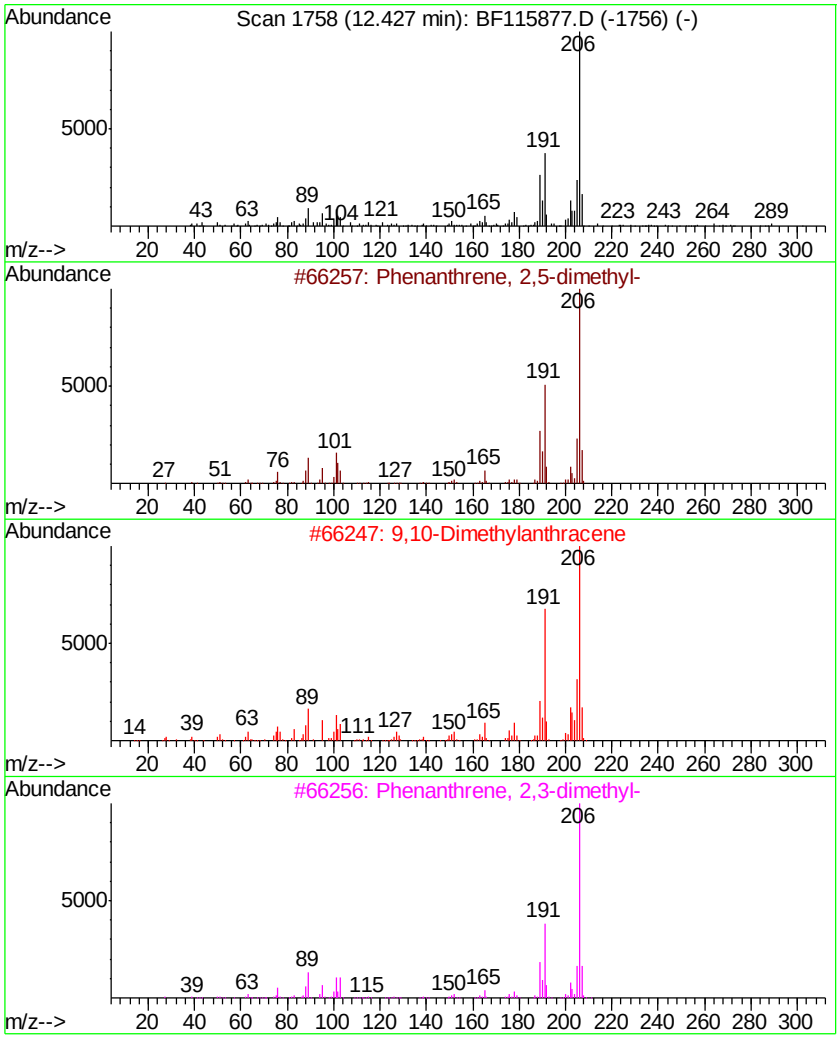
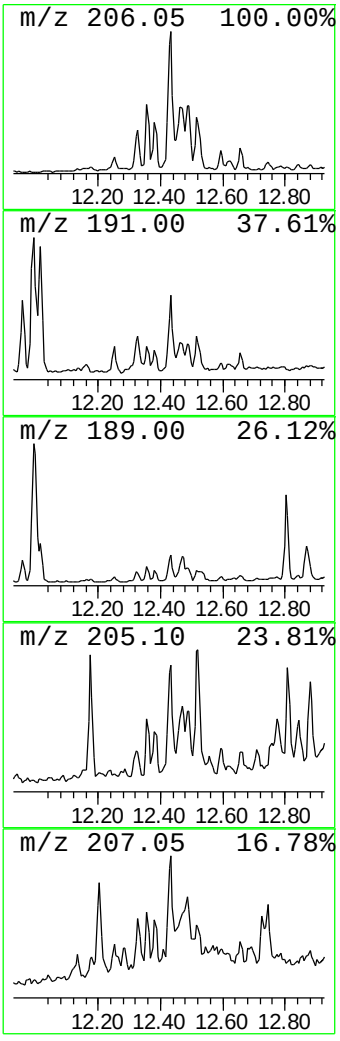
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	3.74 ng	167728	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ClientSampleId : SP-11

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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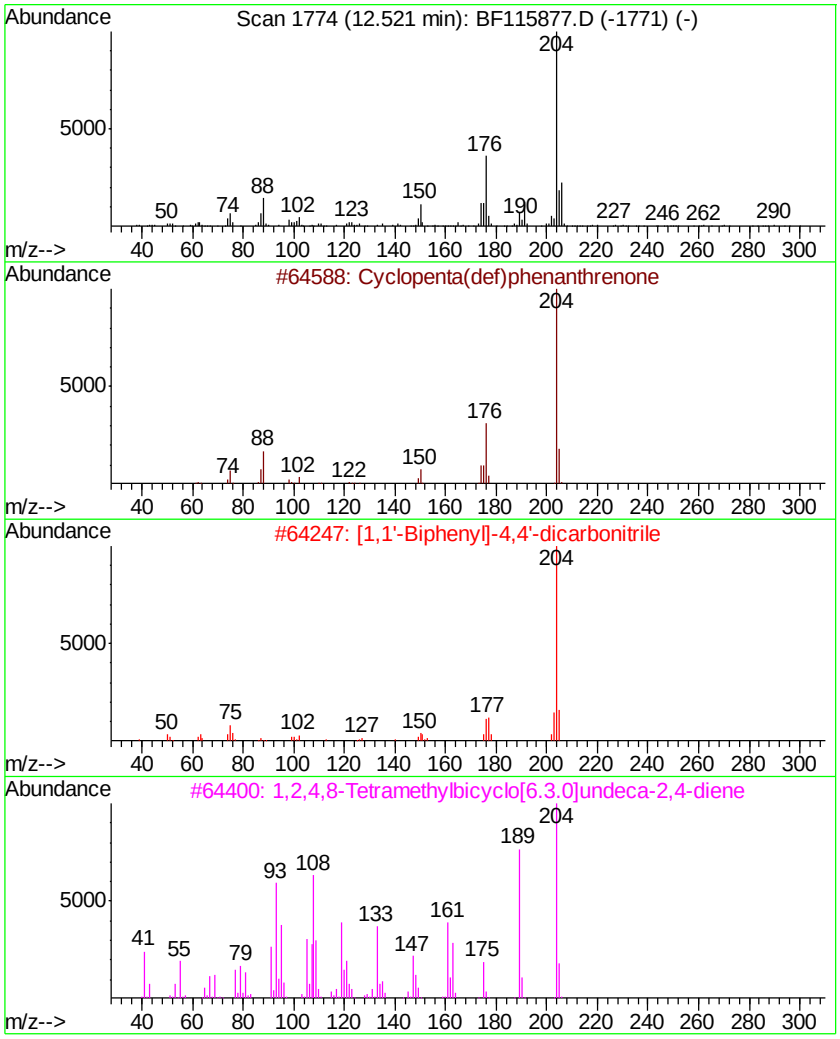
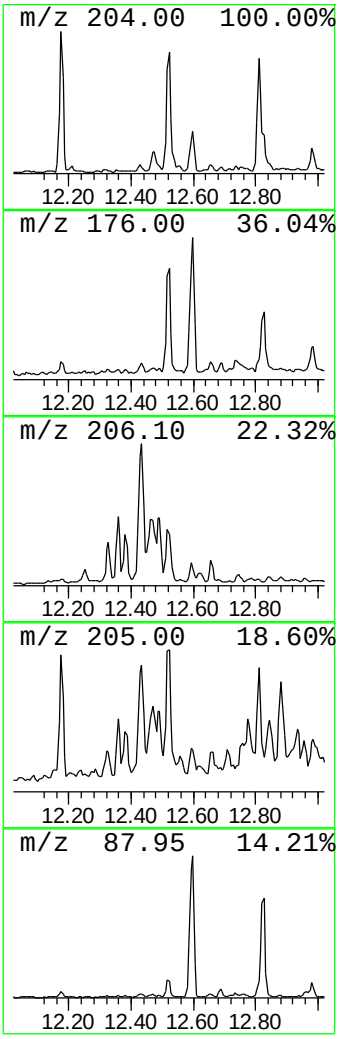
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	3.78 ng	169511	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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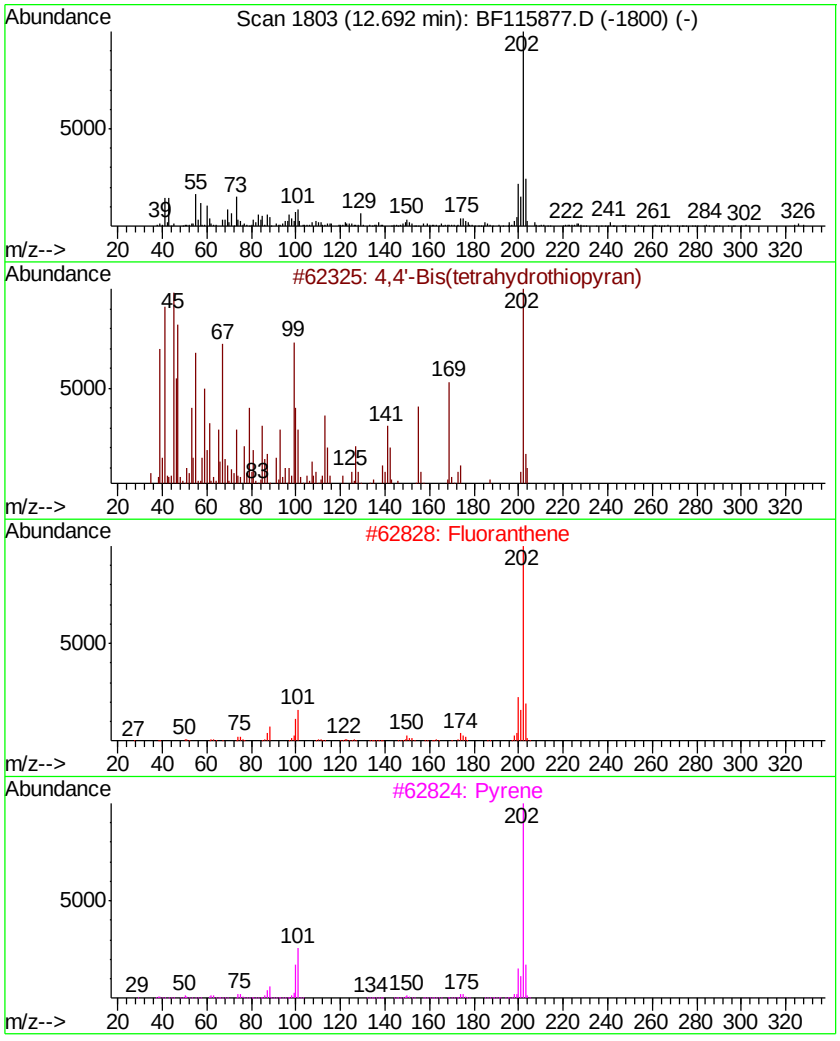
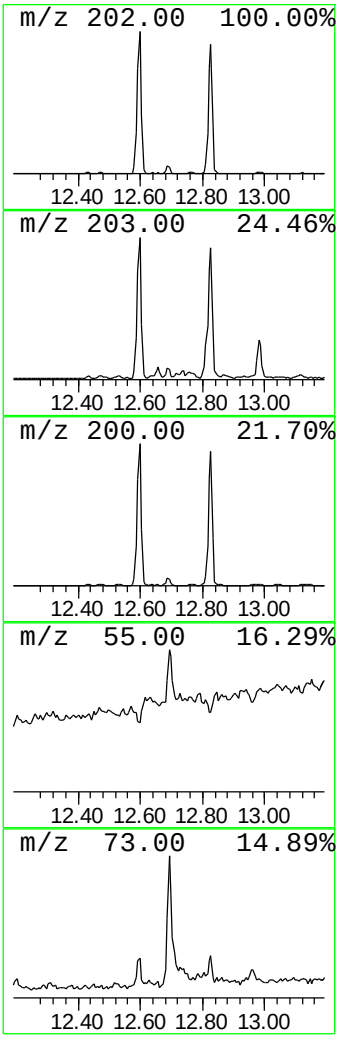
Peak Number 15 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	5.87 ng	263679	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	95
2	Fluoranthene	202	C16H10	000206-44-0	93
3	Pyrene	202	C16H10	000129-00-0	70
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	70
5	Pyridazine-3,6(1H,2H)-dione, 1-(...	202	C11H10N2O2	034019-60-8	53





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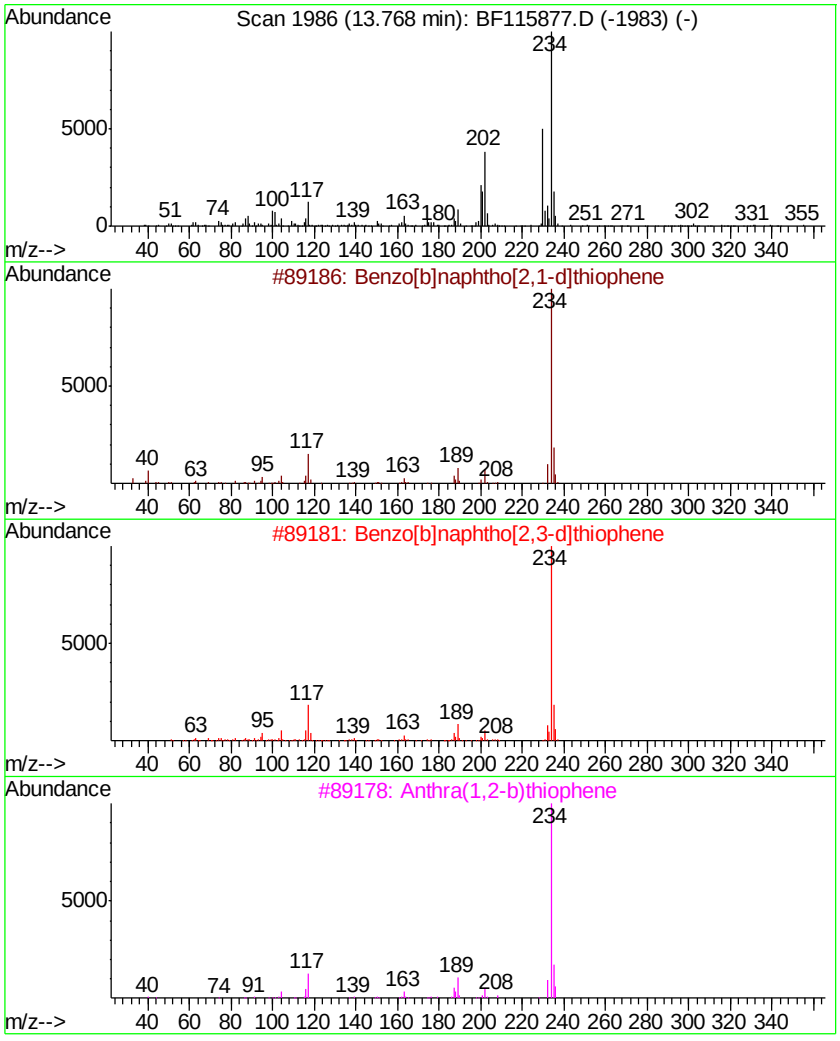
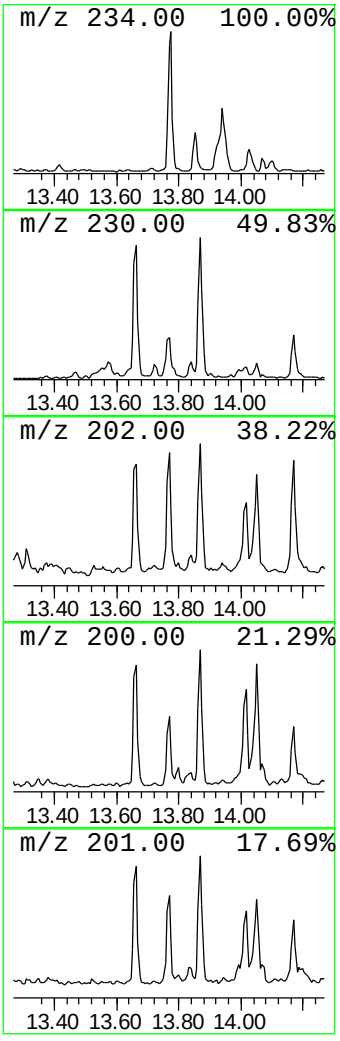
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.41 ng	292631	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	50
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	43
5	Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	38





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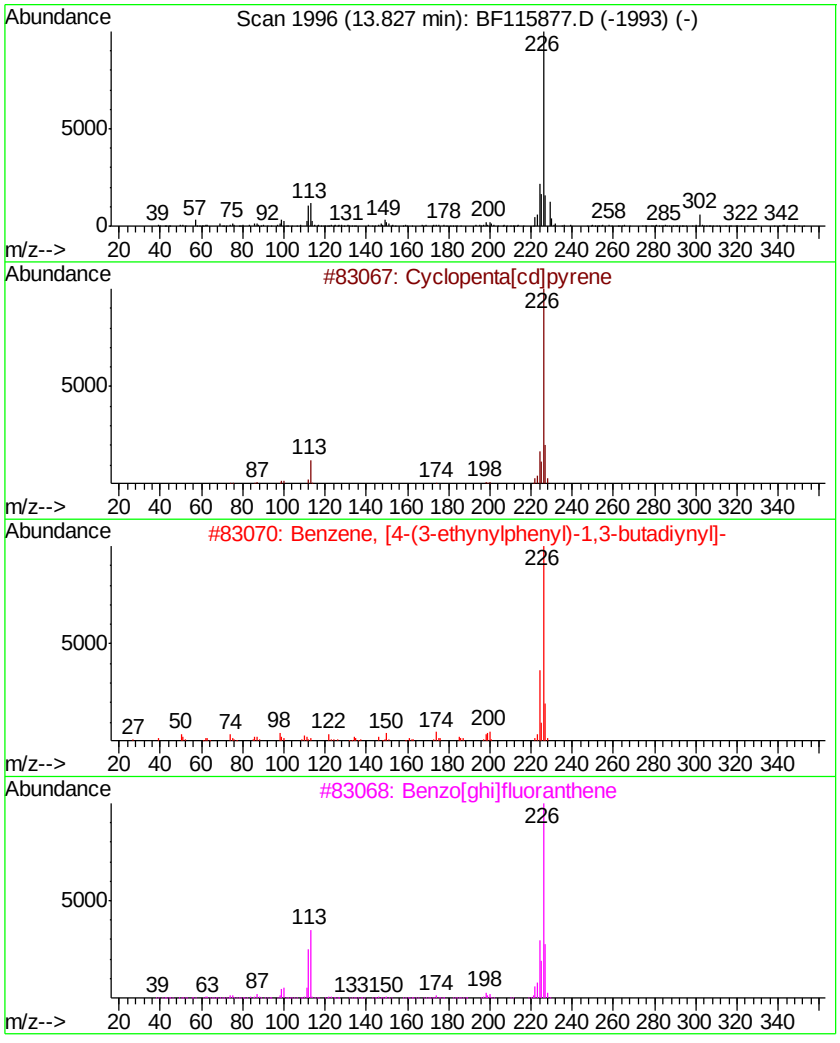
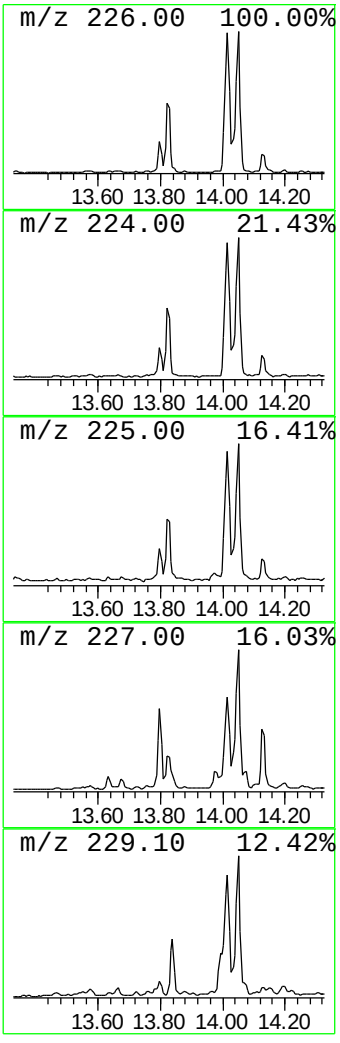
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	3.38 ng	409954	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	33





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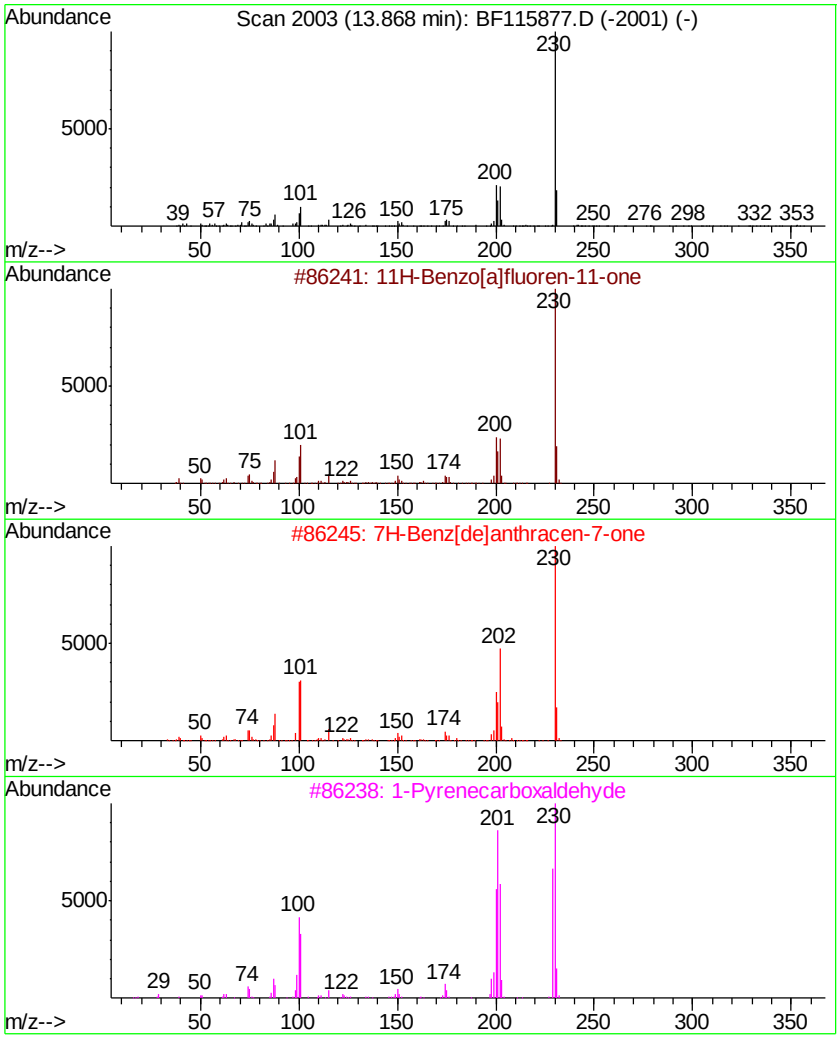
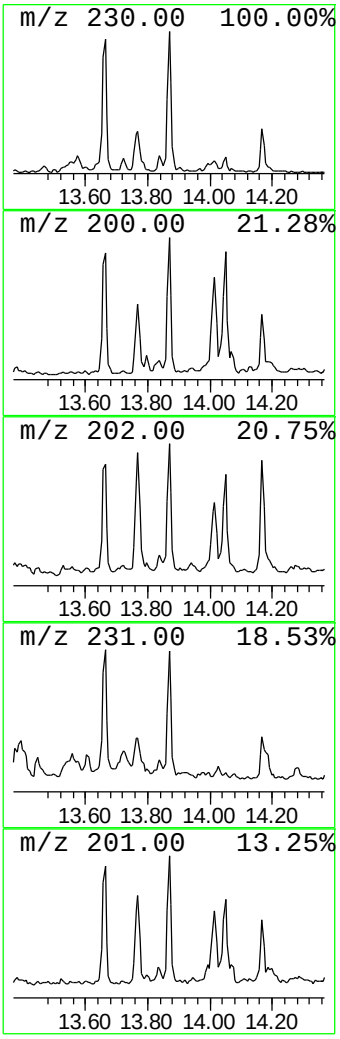
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.85 ng	468051	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	o-Terphenyl	230	C18H14	000084-15-1	64





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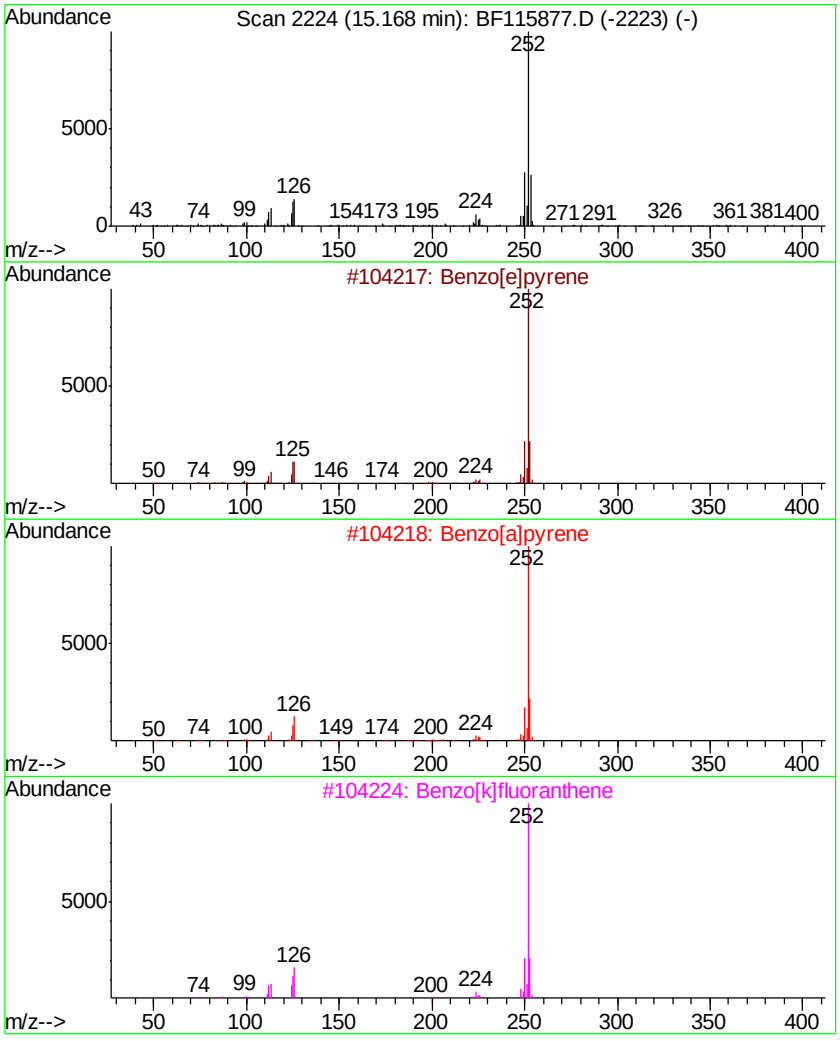
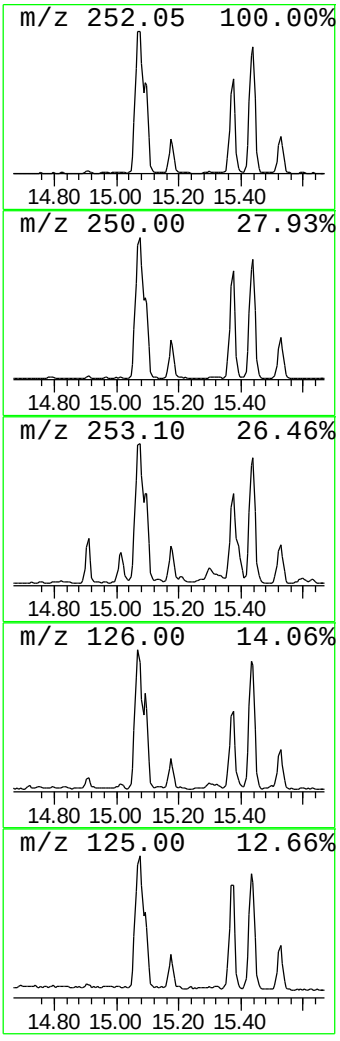
Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.11 ng	249607	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115877.D
Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

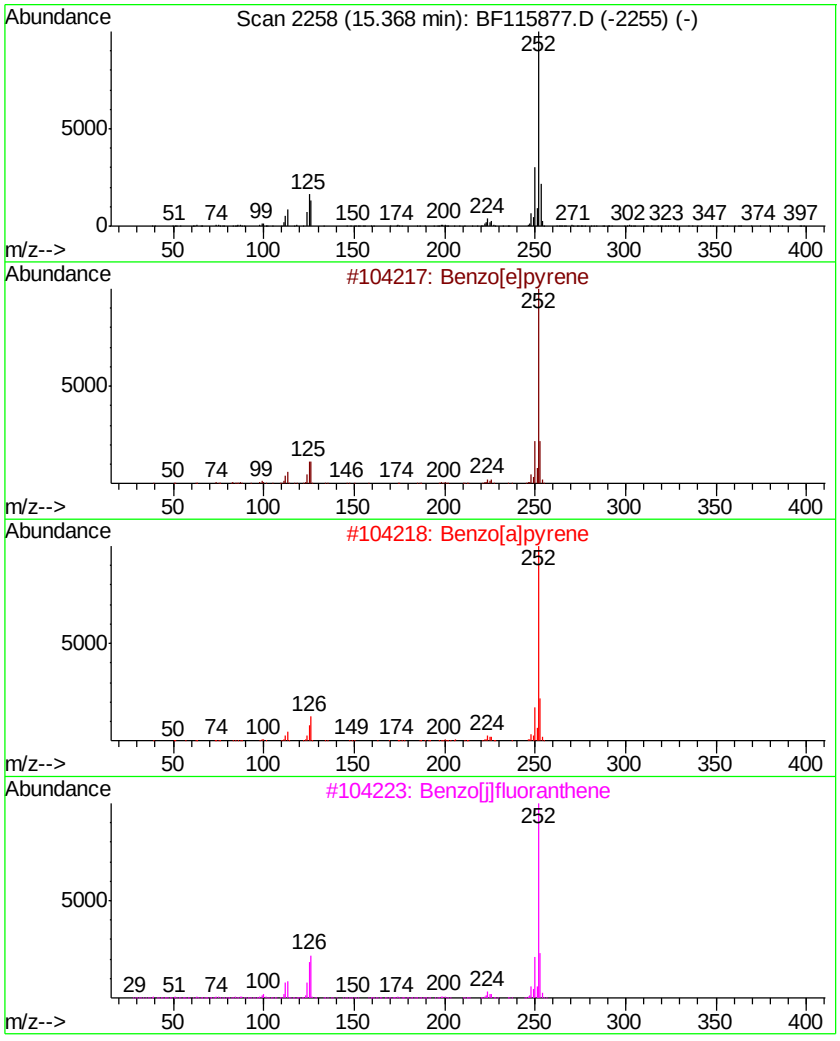
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

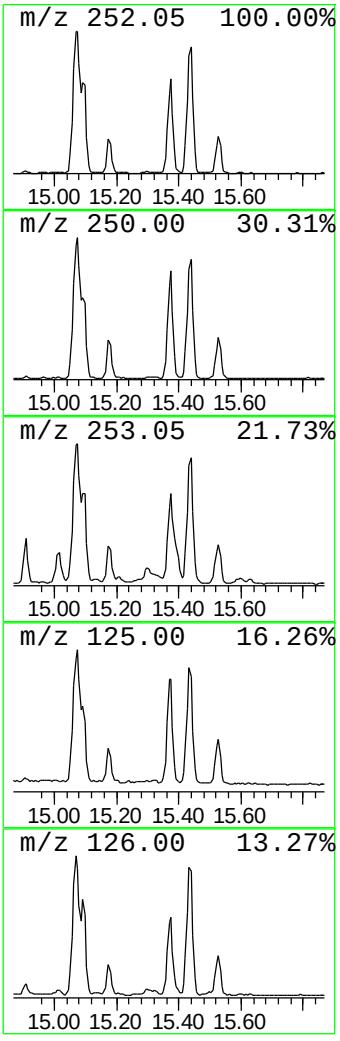
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	22.53 ng	1099780	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115877.D
Acq On : 31 Jul 2019 20:20
Operator : HP/JU
Sample : K4049-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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...	2.12	20.8	ng	873238	1	6.85	841028	20.0
unknown6.62	6.62	64.0	ng	2692670	1	6.85	841028	20.0
9H-Fluoren-9-one	11.18	2.5	ng	110421	4	11.38	898039	20.0
Dibenzothiophene	11.27	2.4	ng	107327	4	11.38	898039	20.0
Anthracene, 1-met...	11.88	4.1	ng	184299	4	11.38	898039	20.0
Anthracene, 2-met...	11.91	11.8	ng	527777	4	11.38	898039	20.0
Anthracene, 9-met...	11.96	2.4	ng	109468	4	11.38	898039	20.0
Benzaldehyde, 3,5...	11.99	8.2	ng	367594	4	11.38	898039	20.0
Phenanthrene, 3-m...	12.02	3.2	ng	145419	4	11.38	898039	20.0
6-Phenylbenzocycl...	12.17	3.7	ng	166288	4	11.38	898039	20.0
9,10-Anthracenedione	12.20	4.6	ng	207792	4	11.38	898039	20.0
Phenanthrene, 2,5...	12.43	3.7	ng	167728	4	11.38	898039	20.0
Cyclopenta(def)ph...	12.52	3.8	ng	169511	4	11.38	898039	20.0
4,4'-Bis(tetrahyd...	12.69	5.9	ng	263679	4	11.38	898039	20.0
Benzo[b]naphtho[2...	13.77	2.4	ng	292631	5	14.03	2428580	20.0
Cyclopenta[cd]pyrene	13.83	3.4	ng	409954	5	14.03	2428580	20.0
11H-Benzo[a]fluor...	13.87	3.9	ng	468051	5	14.03	2428580	20.0
Benzo[e]pyrene	15.17	5.1	ng	249607	6	15.50	976113	20.0
Benzo[j]fluoranthene	15.37	22.5	ng	1099780	6	15.50	976113	20.0