LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

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-BF061219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.257	534	539	542	rBV	4602121	4656775	78.29%	5.455%
2	6.293	709	715	718	rBV	4485378	4791328	80.55%	5.612%
3	6.416	731	736	739	rBV	5250307	5058716	85.04%	5.925%
4	6.645	771	775	778	rBV	2184566	1760265	29.59%	2.062%
5	6.804	797	802	805	rBV	4337055	3929197	66.05%	4.602%
6	7.210	865	871	874	rBV	3280121	3082330	51.82%	3.610%
7	7.928	988	993	996	rBV	2610579	2205616	37.08%	2.584%
8	9.004	1171	1176	1179	rBV	5848748	5137057	86.36%	6.017%
9	9.257	1216	1219	1224	rBV2	55659	76530	1.29%	0.090%
10	9.334	1229	1232	1235	rBV	94951	104407	1.76%	0.122%
11	9.398	1239	1243	1246	rBV	500545	466656	7.85%	0.547%
12	9.451	1248	1252	1254	rBV2	69097	71550	1.20%	0.084%
13	9.534	1262	1266	1268	rBV	125784	124365	2.09%	0.146%
14	9.675	1285	1290	1293	rBV	2748890	2510635	42.21%	2.941%
15	9.704	1293	1295	1298	rVB	1873159	1428397	24.01%	1.673%
16	9.828	1313	1316	1321	rBV	133883	161957	2.72%	0.190%
17	9.875	1321	1324	1327	rVV	287380	257789	4.33%	0.302%
18	9.916	1328	1331	1334	rVV	87455	95728	1.61%	0.112%
19	9.992	1342	1344	1346	rBV	71888	60366	1.01%	0.071%
20	10.016	1346	1348	1351	rVB2	83710	78197	1.31%	0.092%
21	10.086	1357	1360	1363	rBV3	100049	117951	1.98%	0.138%
22	10.216	1379	1382	1385	rBV	732348	661639	11.12%	0.775%
23	10.281	1388	1393	1396	rBV	323697	398166	6.69%	0.466%
24	10.375	1407	1409	1412	rBV	325723	238931	4.02%	0.280%
25	10.457	1419	1423	1427	rBV	3236320	2983857	50.16%	3.495%
26	10.763	1473	1475	1478	rVB2	214334	166114	2.79%	0.195%
27	10.951	1505	1507	1513	rVB	227375	266363	4.48%	0.312%
28	11.004	1513	1516	1520	rBV2	225595	262547	4.41%	0.308%
29	11.045	1520	1523	1525	rBV	215422	202050	3.40%	0.237%
30	11.151	1537	1541	1543	rBV	2155060	2251352	37.85%	2.637%
31	11.175	1543	1545	1548	rVV	2283414	1761335	29.61%	2.063%
32	11.222	1550	1553	1556	rVB	622879	497348	8.36%	0.583%
33	11.257	1557	1559	1561	rBV2	147183	148980	2.50%	0.175%
34	11.445	1589	1591	1595	rVB2	208861	155739	2.62%	0.182%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

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-BF061219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.651	1623	1626	1628	rBV	364264	346893	5.83%	0.406%
36	11.675	1628	1630	1632	rVV	533590	417868	7.02%	0.489%
37	11.698	1632	1634	1636	rVB	179528	120592	2.03%	0.141%
38	11.722	1636	1638	1641	rVB	250072	233345	3.92%	0.273%
39	11.757	1641	1644	1647	rBV	1299017	1341670	22.55%	1.572%
40	11.945	1673	1676	1678	rBV	314963	317894	5.34%	0.372%
41	11.963	1678	1679	1686	rVB	261811	203911	3.43%	0.239%
42	12.122	1704	1706	1708	rBV	108366	84555	1.42%	0.099%
43	12.198	1716	1719	1720	rBV	181199	175751	2.95%	0.206%
44	12.275	1730	1732	1737	rVB	644149	636447	10.70%	0.745%
45	12.363	1742	1747	1750	rBV	5666124	5948441	100.00%	6.968%
46	12.410	1750	1755	1759	rVB2	151934	240072	4.04%	0.281%
47	12.586	1779	1785	1788	rBV2	4120972	5297615	89.06%	6.205%
48	12.627	1790	1792	1798	rVB2	244905	295779	4.97%	0.346%
49	12.698	1801	1804	1806	rBV	354261	310029	5.21%	0.363%
50	12.727	1806	1809	1816	rVB	4109241	3952589	66.45%	4.630%
51	12.804	1816	1822	1825	rBV3	380970	570652	9.59%	0.668%
52	12.886	1833	1836	1837	rBV	321593	345982	5.82%	0.405%
53	12.910	1837	1840	1843	rVB	560857	575409	9.67%	0.674%
54	12.974	1848	1851	1853	rBV	436413	371075	6.24%	0.435%
55	13.010	1853	1857	1859	rVV	572989	534205	8.98%	0.626%
56	13.033	1859	1861	1865	rVV	243675	210536	3.54%	0.247%
57	13.069	1865	1867	1869	rVB	106369	83058	1.40%	0.097%
58	13.098	1869	1872	1875	rVB	253939	232004	3.90%	0.272%
59	13.133	1875	1878	1882	rBV2	229368	256739	4.32%	0.301%
60	13.286	1901	1904	1906	rBV3	82105	111640	1.88%	0.131%
61	13.410	1922	1925	1930	rVB	543655	510847	8.59%	0.598%
62	13.516	1939	1943	1946	rBV2	450250	507064	8.52%	0.594%
63	13.545	1946	1948	1950	rVV	307897	294961	4.96%	0.345%
64	13.569	1950	1952	1957	rVV2	338122	457117	7.68%	0.535%
65	13.616	1957	1960	1963	rVB	449782	403502	6.78%	0.473%
66	13.645	1963	1965	1967	rBV	80786	65696	1.10%	0.077%
67	13.686	1970	1972	1979	rVB	91780	103544	1.74%	0.121%
68	13.769	1979	1986	1989	rBV2	2344766	3772752	63.42%	4.419%
69	13.798	1989	1991	1997	rVB	1376374	1223559	20.57%	1.433%
70	13.874	2001	2004	2006	rBV	217178	142887	2.40%	0.167%
71	13.957	2016	2018	2020	rVB2	117071	91019	1.53%	0.107%

LSC Area Percent Report

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Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

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-BF061219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.980	2020	2022	2027	rVB2	143415	147013	2.47%	0.172%
73	14.027	2027	2030	2032	rBV	113658	86296	1.45%	0.101%
74	14.121	2043	2046	2047	rBV	94248	74769	1.26%	0.088%
75	14.157	2048	2052	2055	rVV	274423	331068	5.57%	0.388%
76	14.186	2055	2057	2061	rVB2	196906	201626	3.39%	0.236%
77	14.274	2068	2072	2074	rVV4	146387	190366	3.20%	0.223%
78	14.298	2074	2076	2079	rVB2	107416	99945	1.68%	0.117%
79	14.451	2099	2102	2105	rBV	177769	172082	2.89%	0.202%
80	14.557	2117	2120	2125	rVB3	227172	231492	3.89%	0.271%
81	14.621	2126	2131	2134	rBV2	126442	221019	3.72%	0.259%
82	14.686	2139	2142	2145	rBV	86708	95508	1.61%	0.112%
83	14.768	2151	2156	2165	rVB	1269940	2274145	38.23%	2.664%
84	14.863	2169	2172	2175	rVB	297049	306857	5.16%	0.359%
85	15.033	2197	2201	2206	rVB	603556	674959	11.35%	0.791%
86	15.086	2207	2210	2215	rBV	582613	641017	10.78%	0.751%
87	15.145	2216	2220	2223	rVV	1393236	1592800	26.78%	1.866%
88	15.198	2227	2229	2235	rVB2	185566	208341	3.50%	0.244%
89	15.586	2291	2295	2302	rVB2	140945	226887	3.81%	0.266%
90	16.033	2367	2371	2374	rBV2	65646	111374	1.87%	0.130%
91	16.439	2436	2440	2451	rVB3	165746	340125	5.72%	0.398%
92	16.827	2501	2506	2512	rVB	109025	187118	3.15%	0.219%

Sum of corrected areas: 85372739

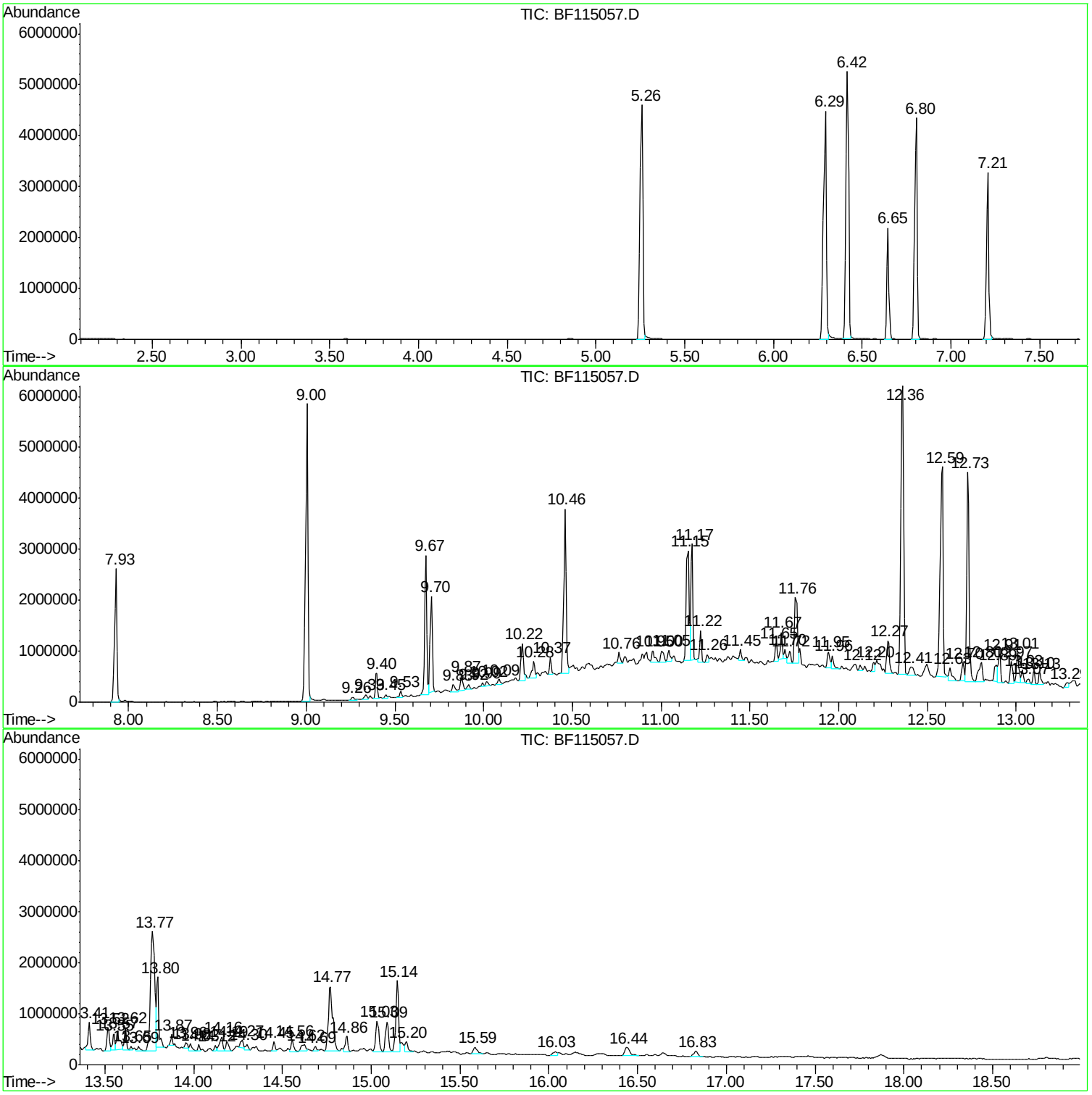
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
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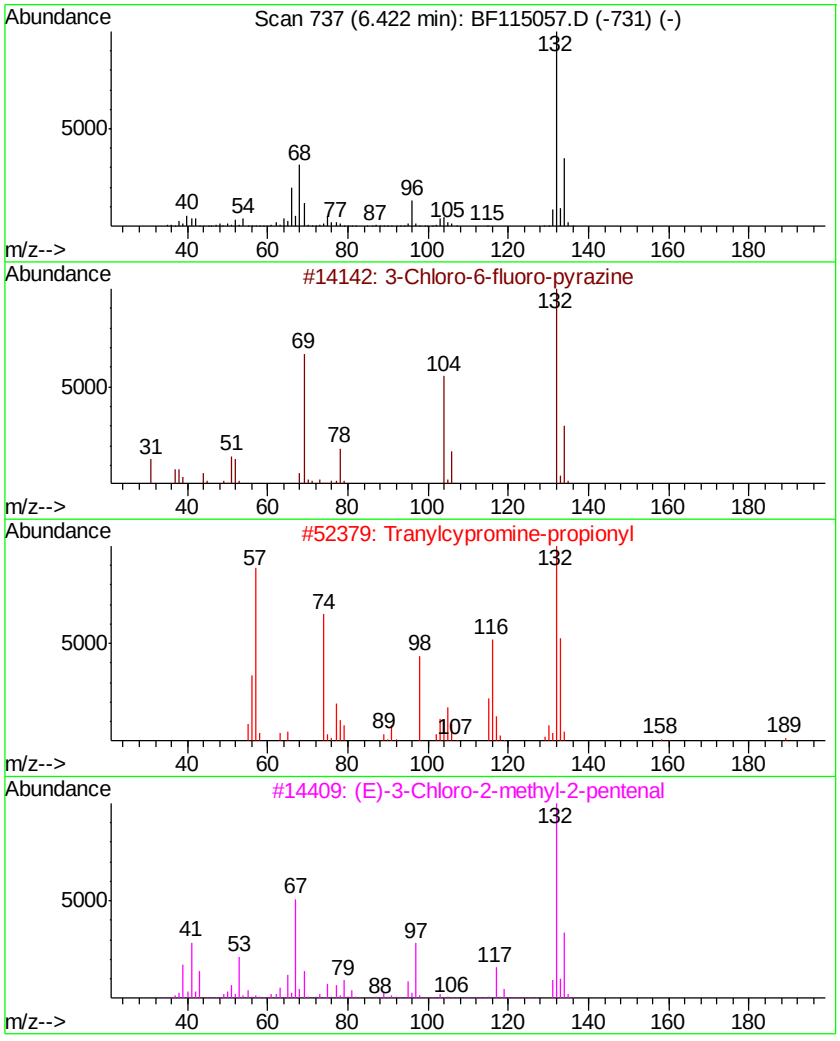
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

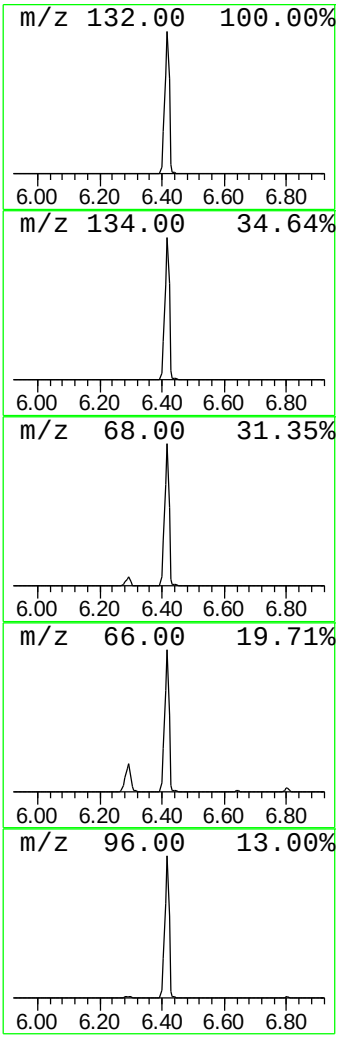
****

Peak Number 1 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	57.48 ng	5058720	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

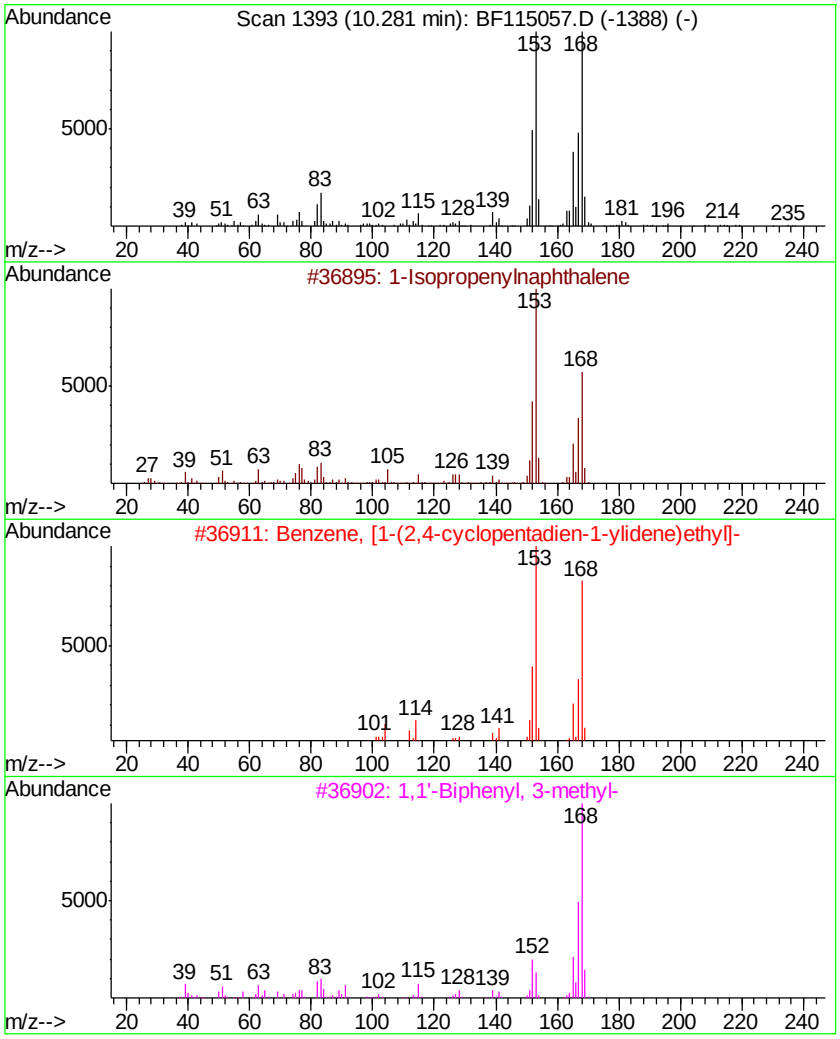
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

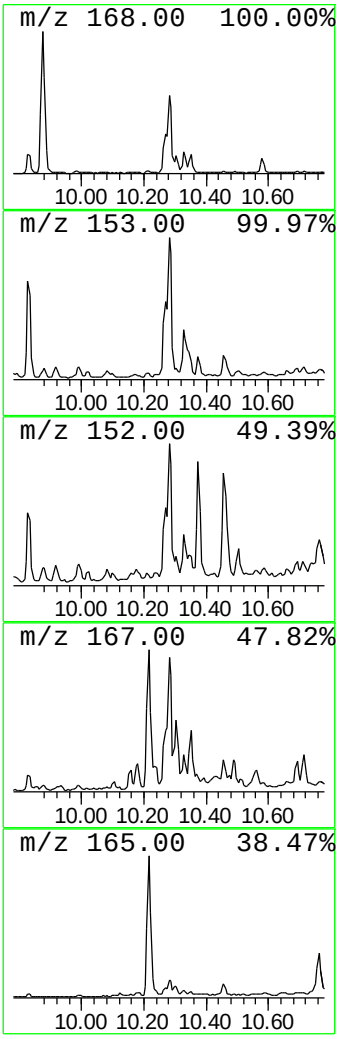
****

Peak Number 4 1-Isopropenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	3.17 ng	398166	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

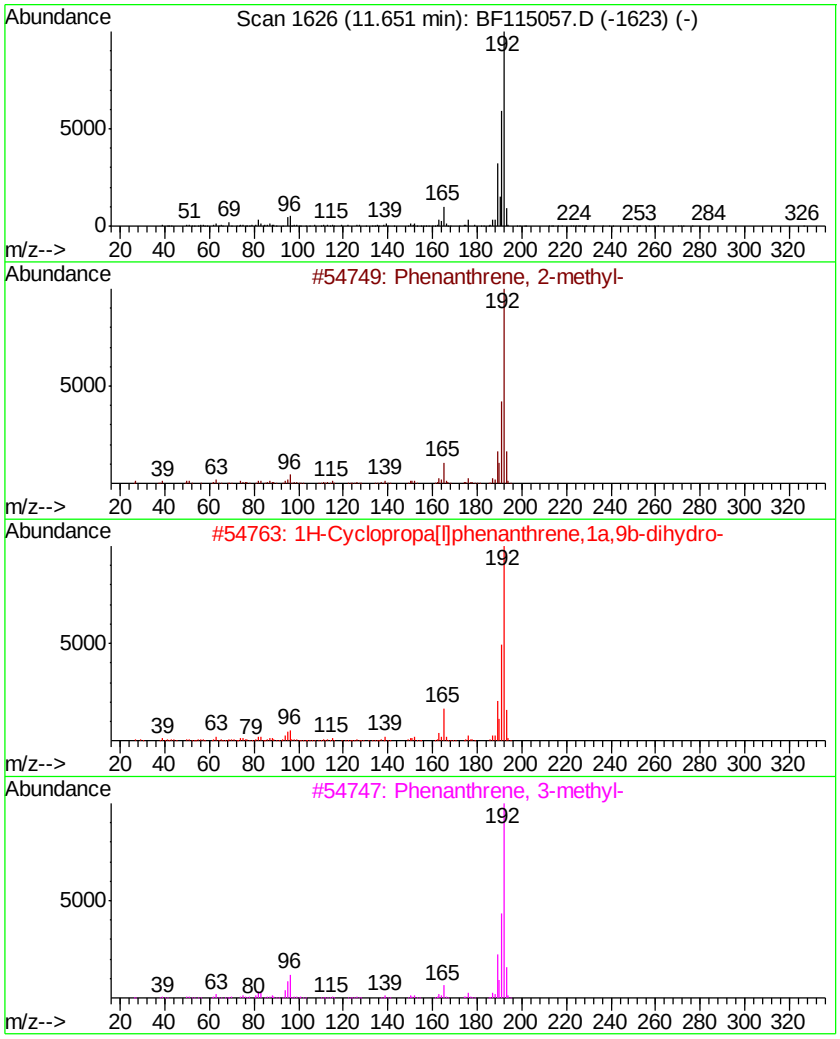
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

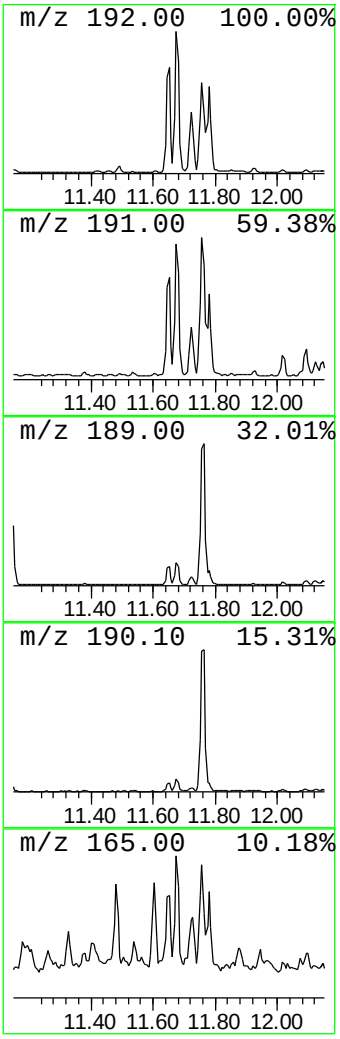
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.08 ng	346893	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

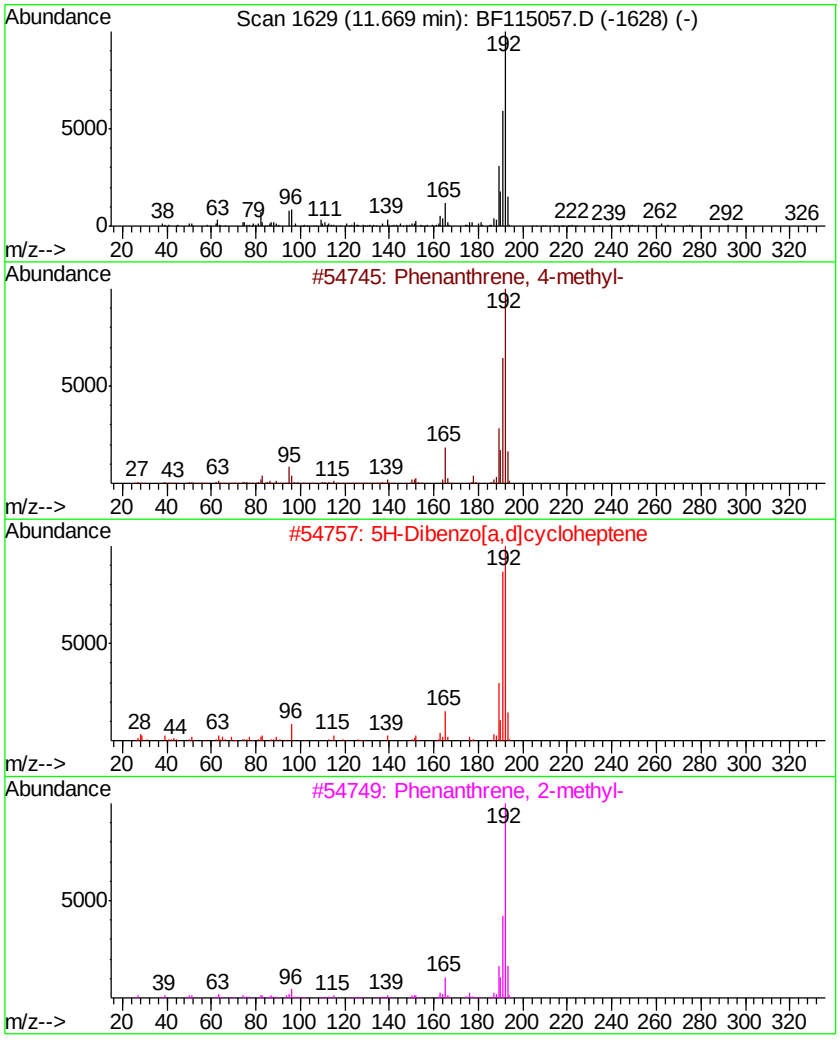
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

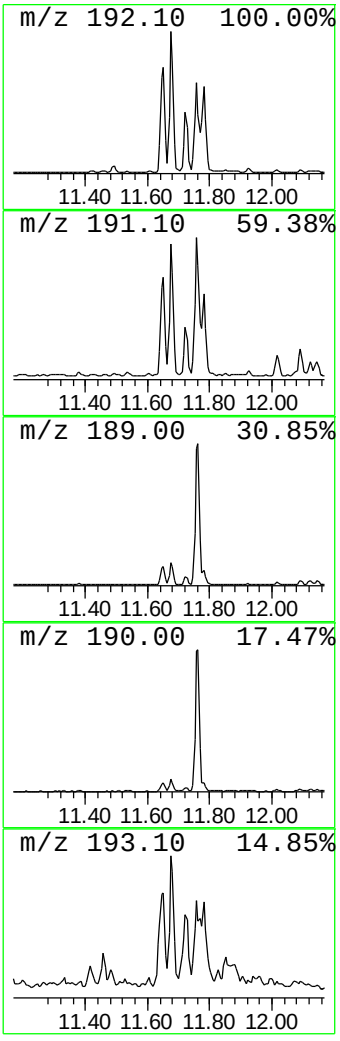
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	3.71 ng	417868	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

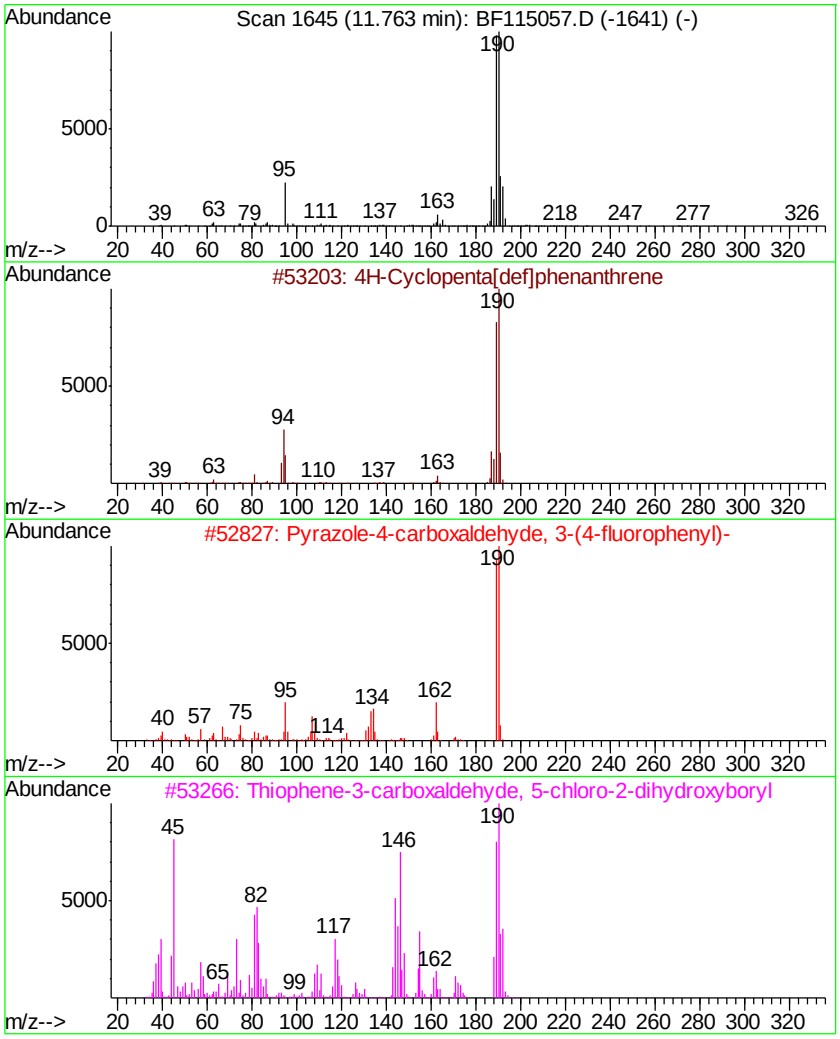
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

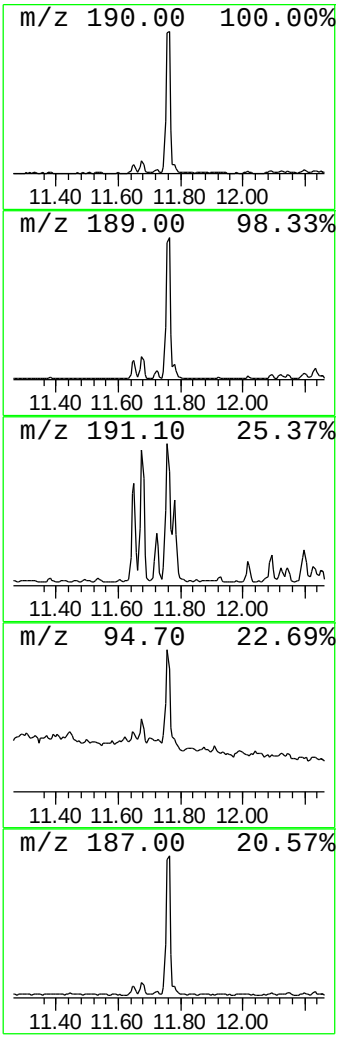
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	11.92 ng	1341670	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

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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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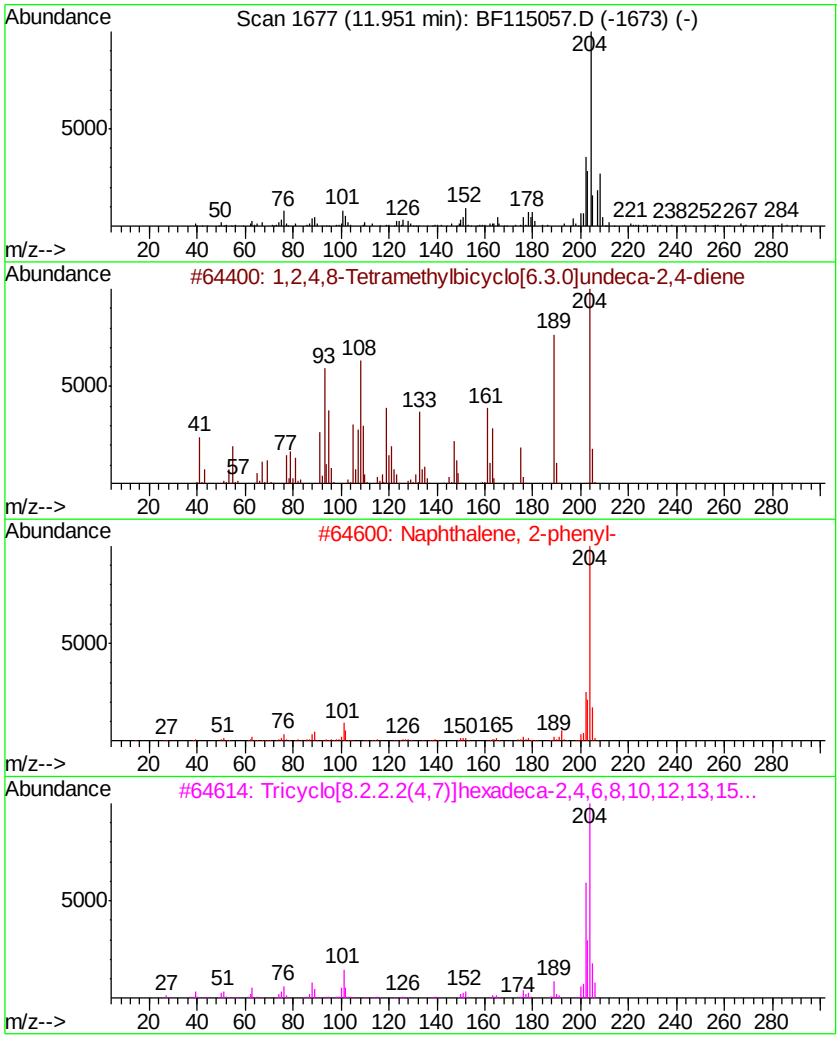
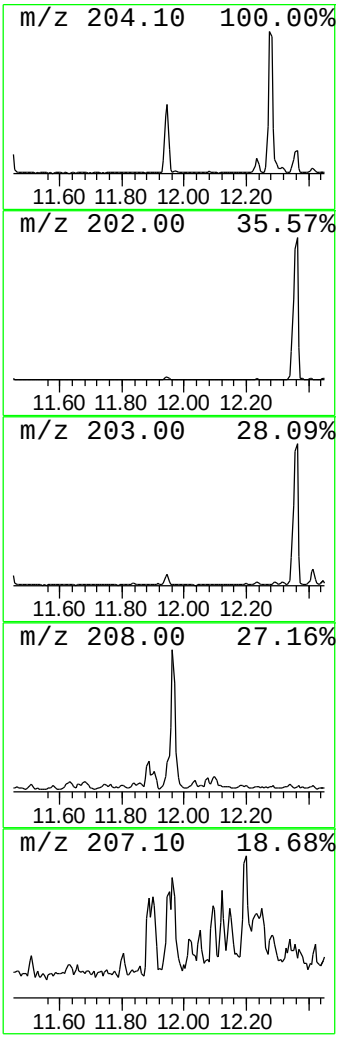
Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.82 ng	317894	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : RBR-200029

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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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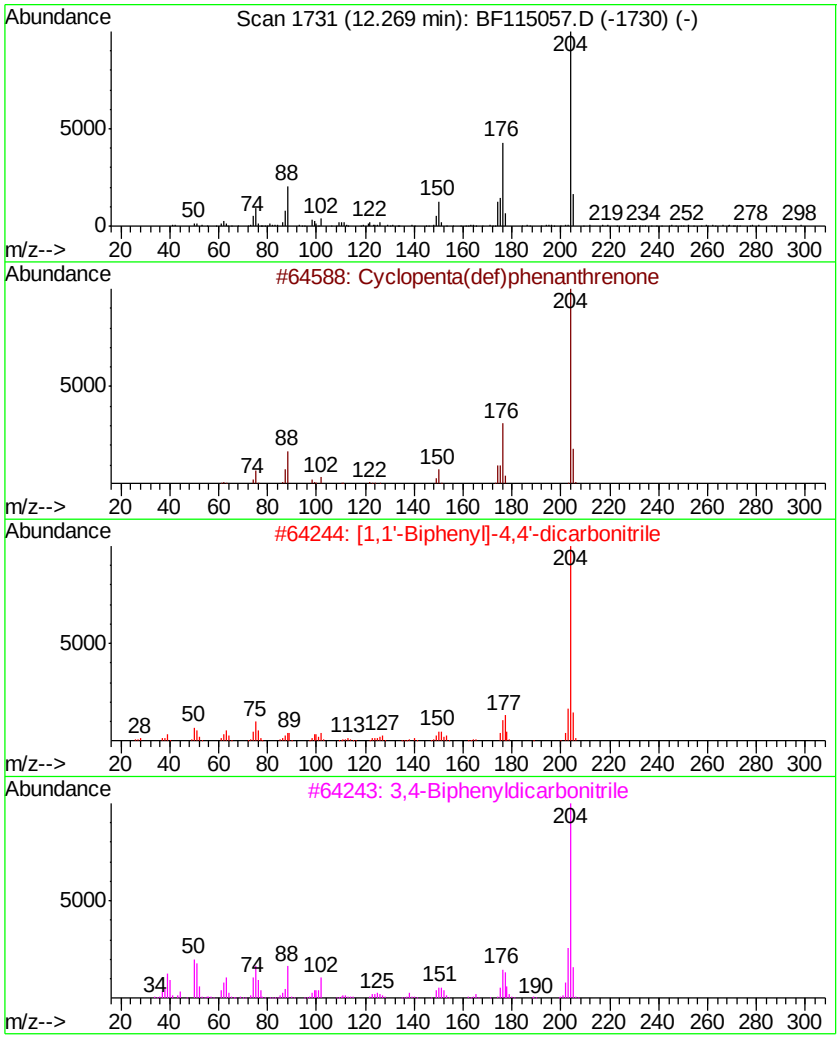
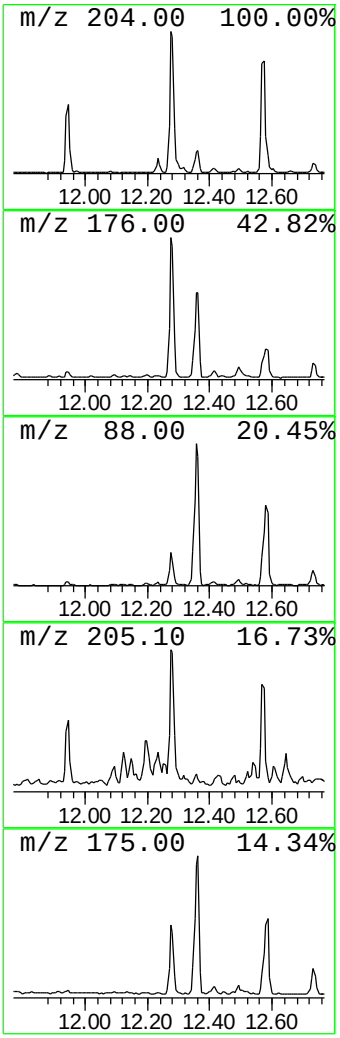
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	5.65 ng	636447	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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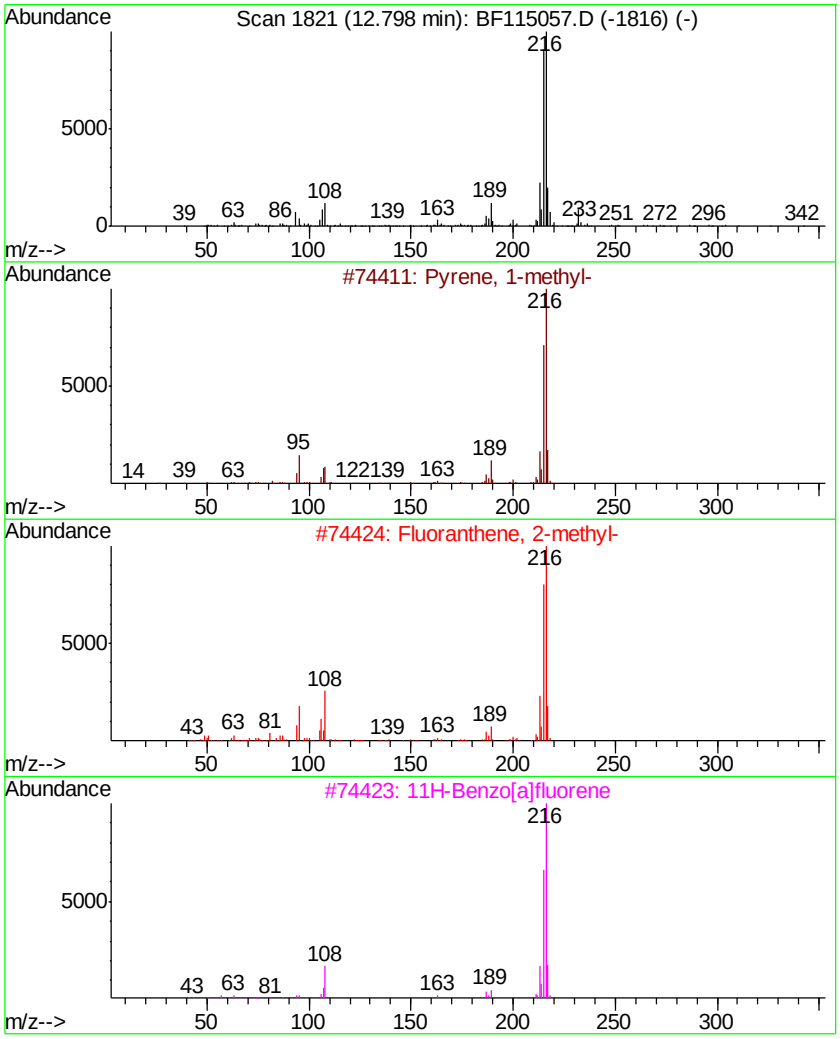
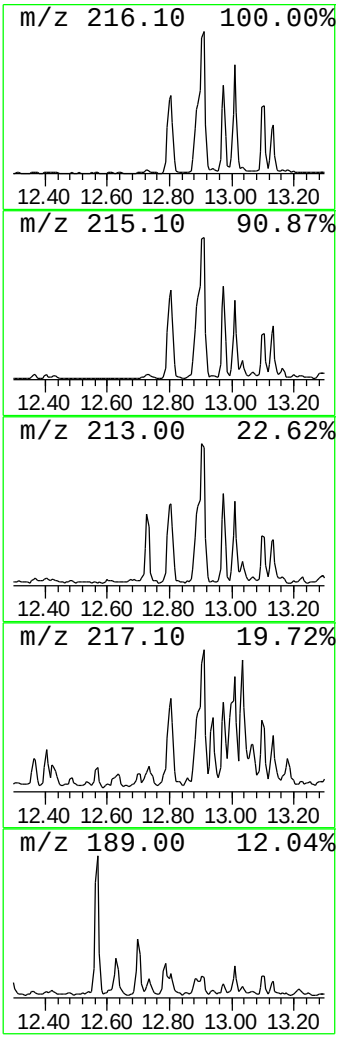
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	3.03 ng	570652	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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ClientSampleId : RBR-200029

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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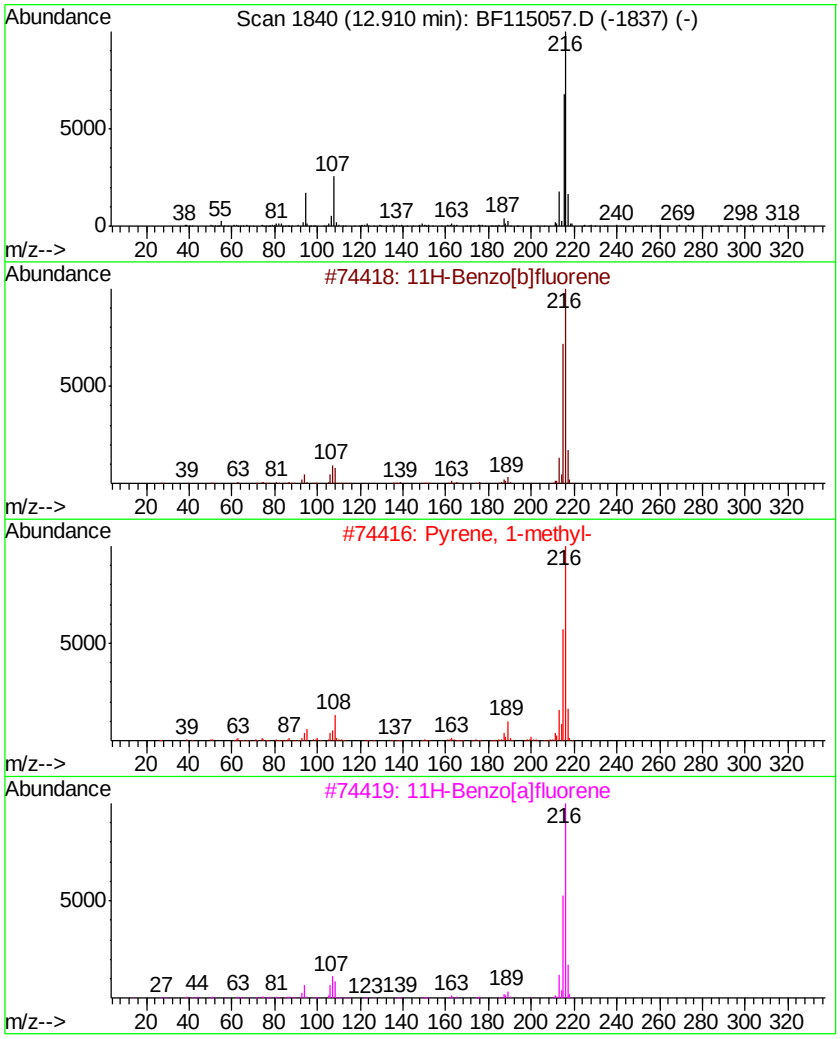
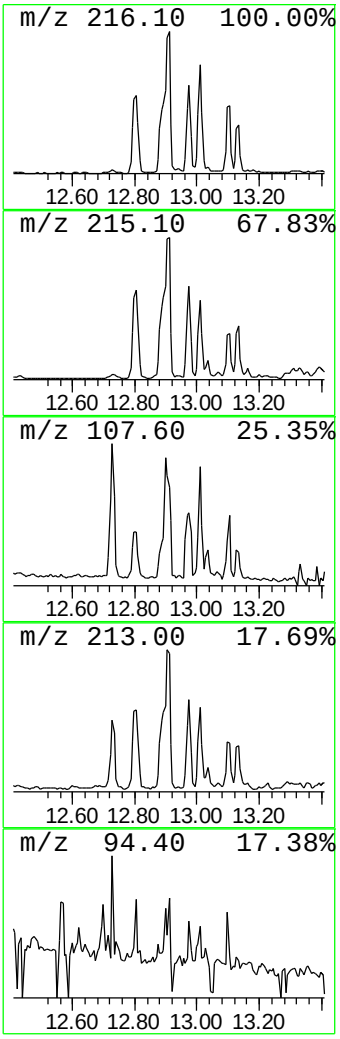
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	3.05 ng	575409	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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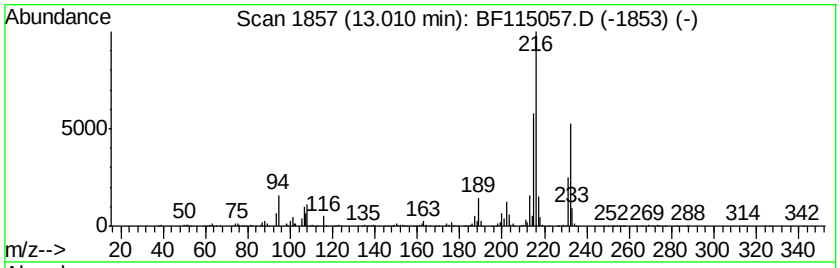
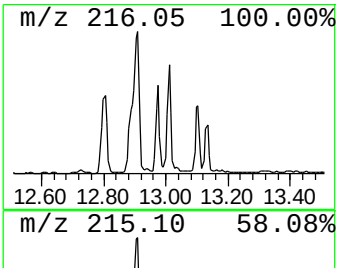
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	2.83 ng	534205	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55





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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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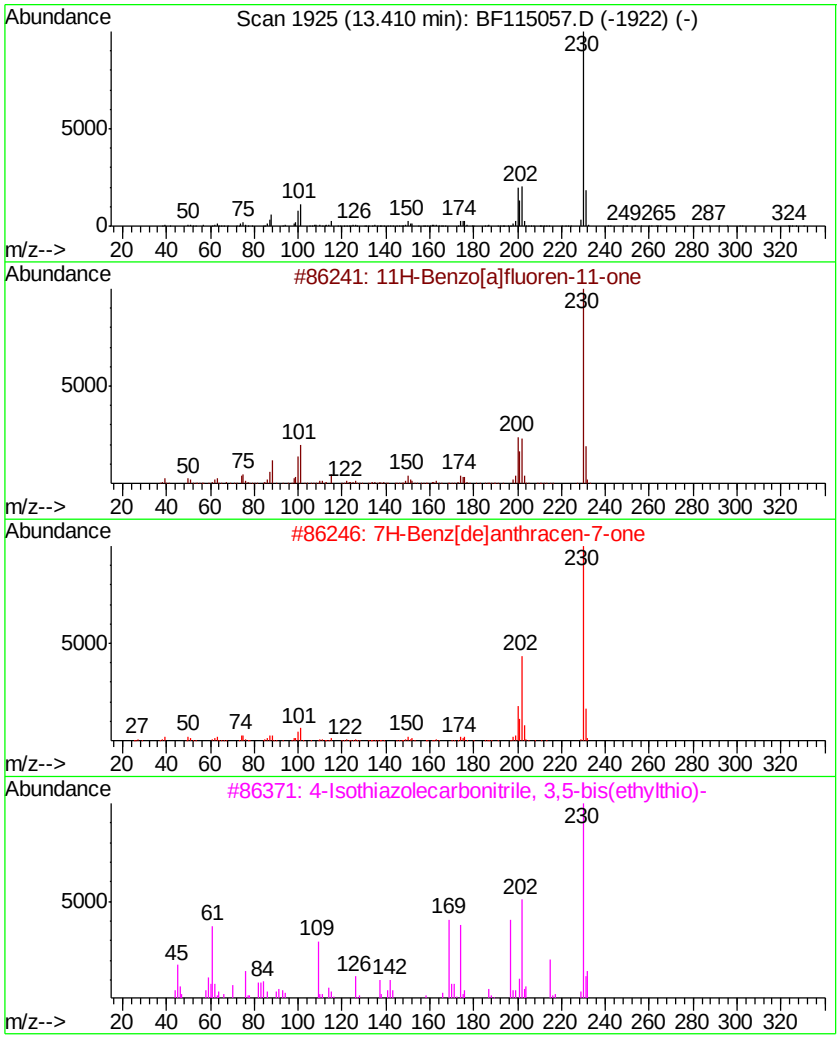
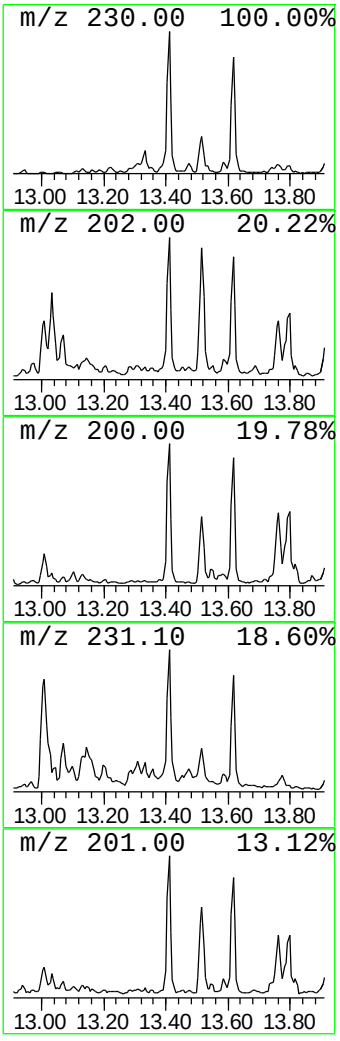
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.71 ng	510847	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5	o-Terphenyl	230	C18H14	000084-15-1	53





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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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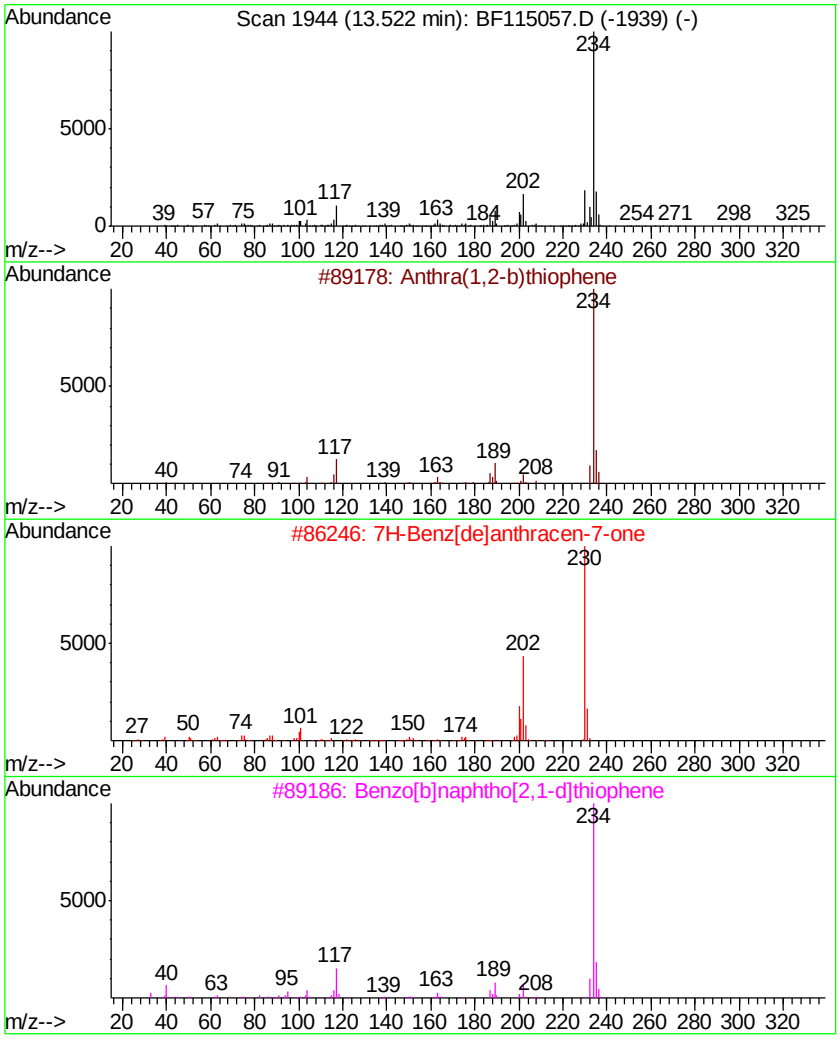
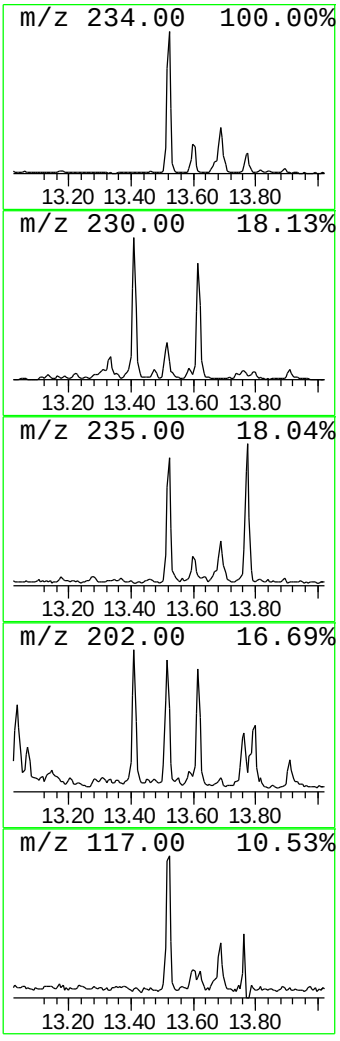
Peak Number 14 Anthra(1,2-b)thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	2.69 ng	507064	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	78
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	78
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	47





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

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

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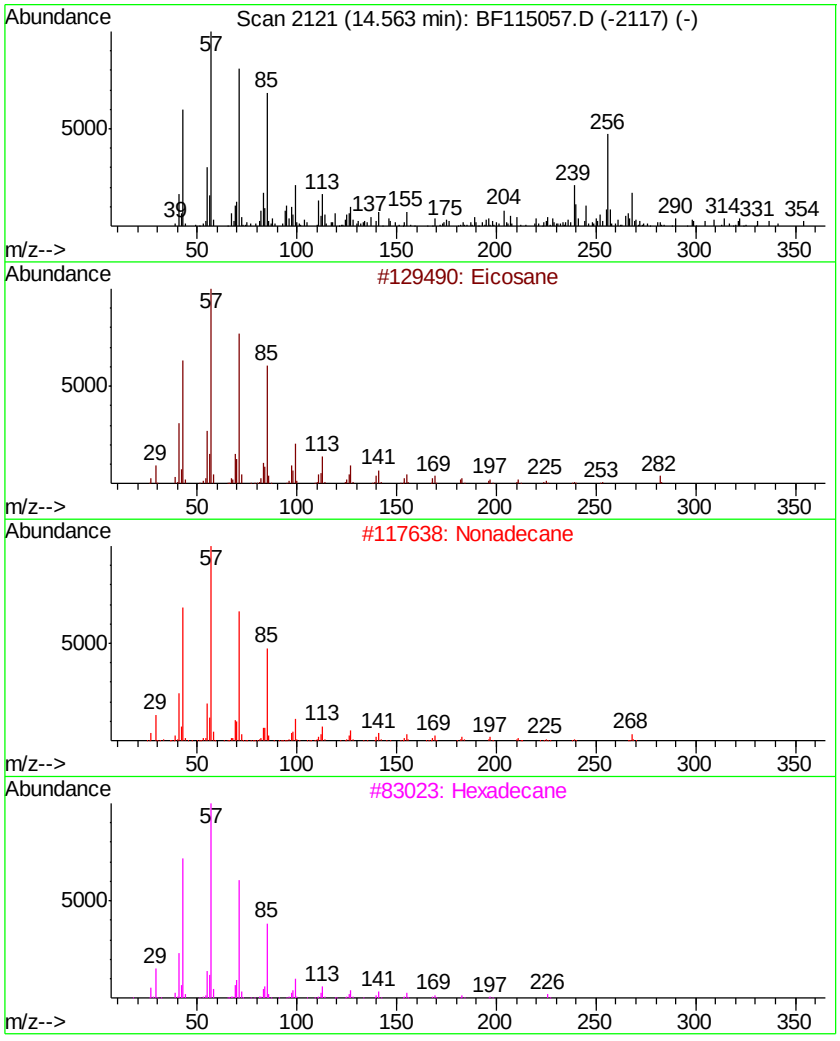
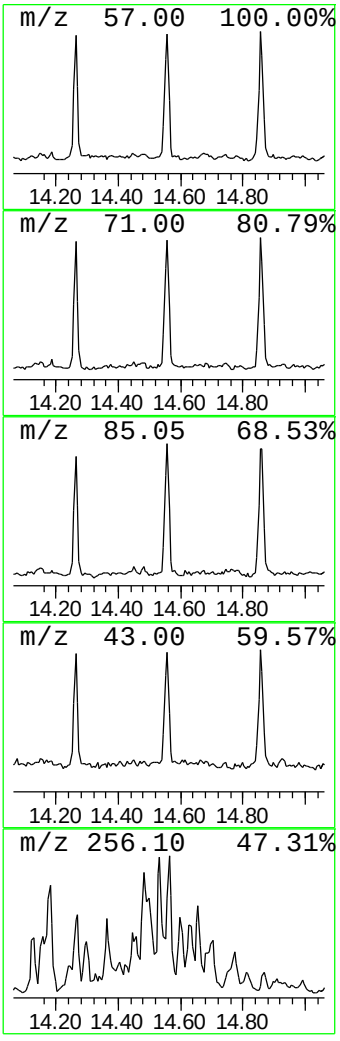
Peak Number 15 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.91 ng	231492	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Nonadecane	268	C19H40	000629-92-5	91
3	Hexadecane	226	C16H34	000544-76-3	89
4	Heneicosane	296	C21H44	000629-94-7	87
5	Tetracosane	338	C24H50	000646-31-1	83





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ClientSampleId : RBR-200029

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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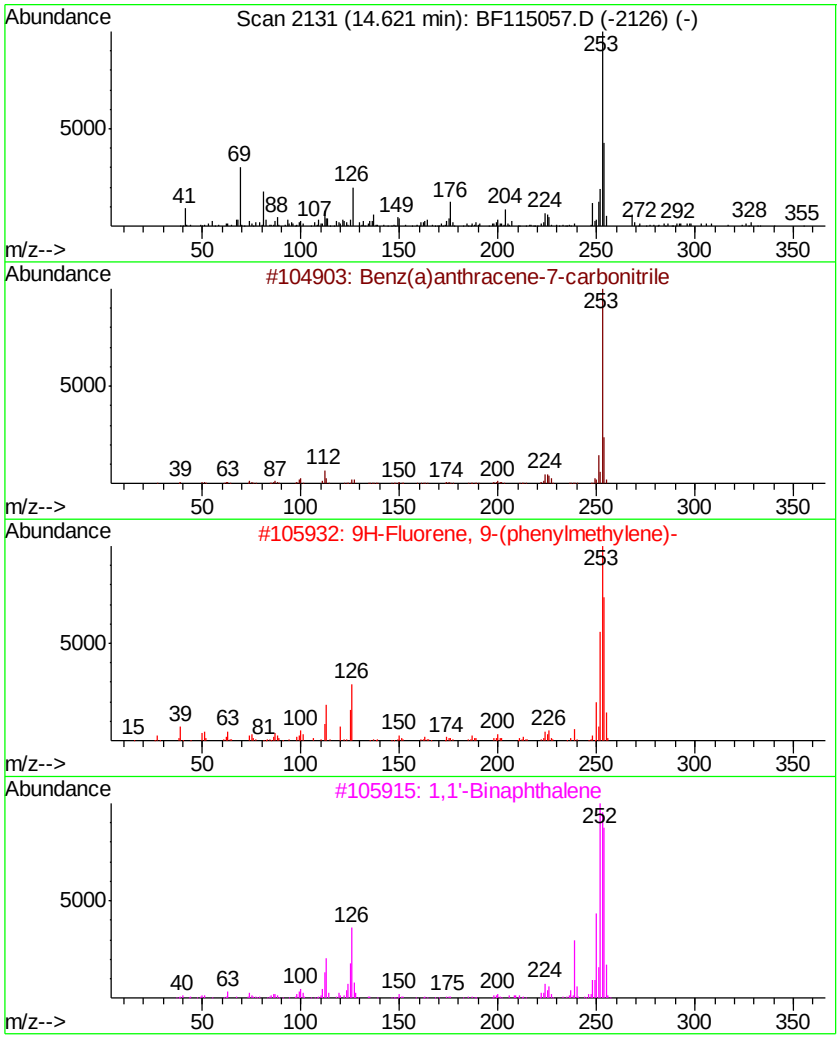
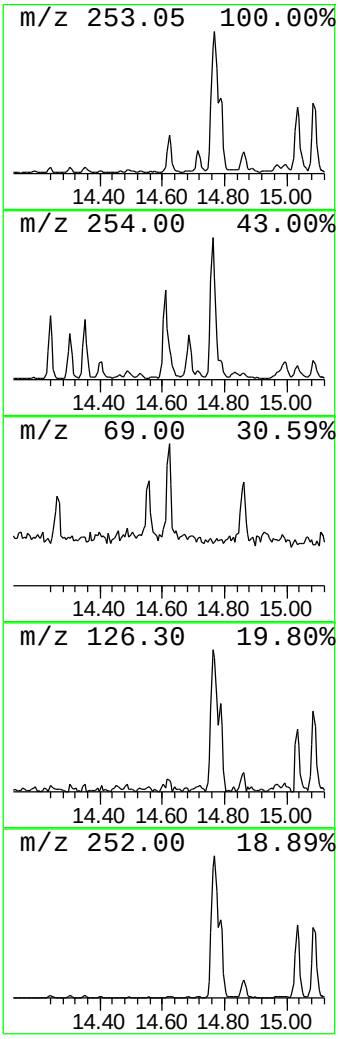
Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.78 ng	221019	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	37
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	35
5	N-(4-Chloro-[1,2,3]dithiazol-5-y...	353	C14H9Cl2N3S2	1000294-66-5	33





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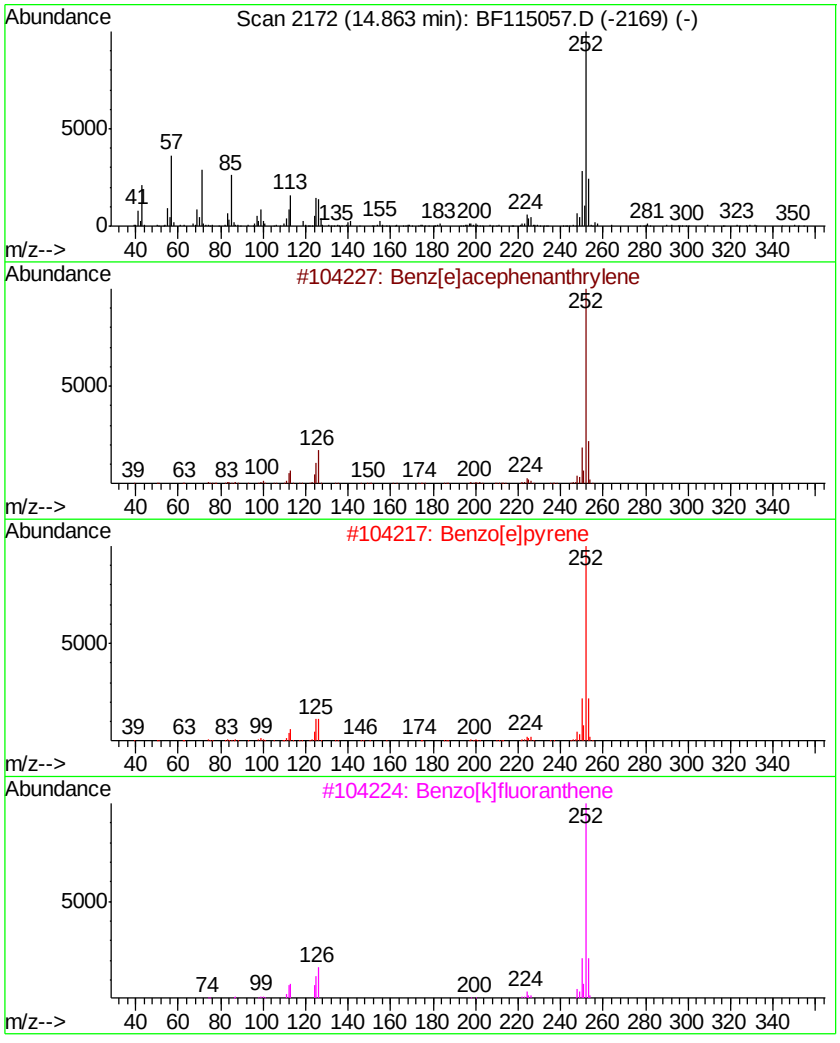
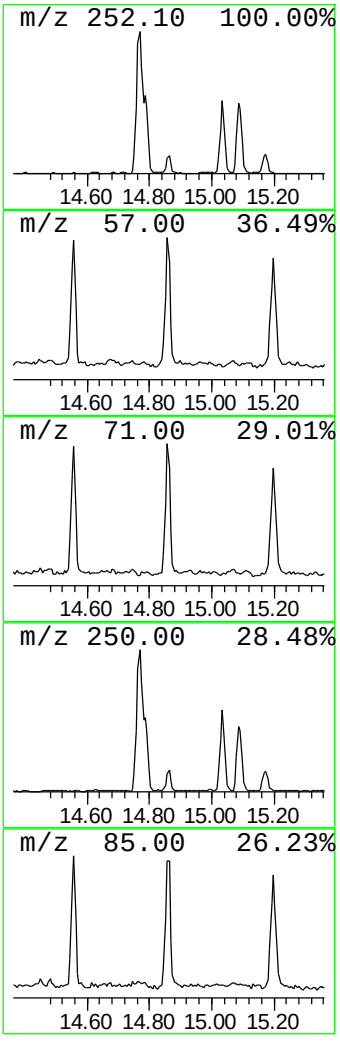
Peak Number 17 Benz[e]acephenanthrylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	3.85 ng	306857	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Perylene	252	C20H12	000198-55-0	76





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TIC Library : C:\DATABASE\NIST11.L
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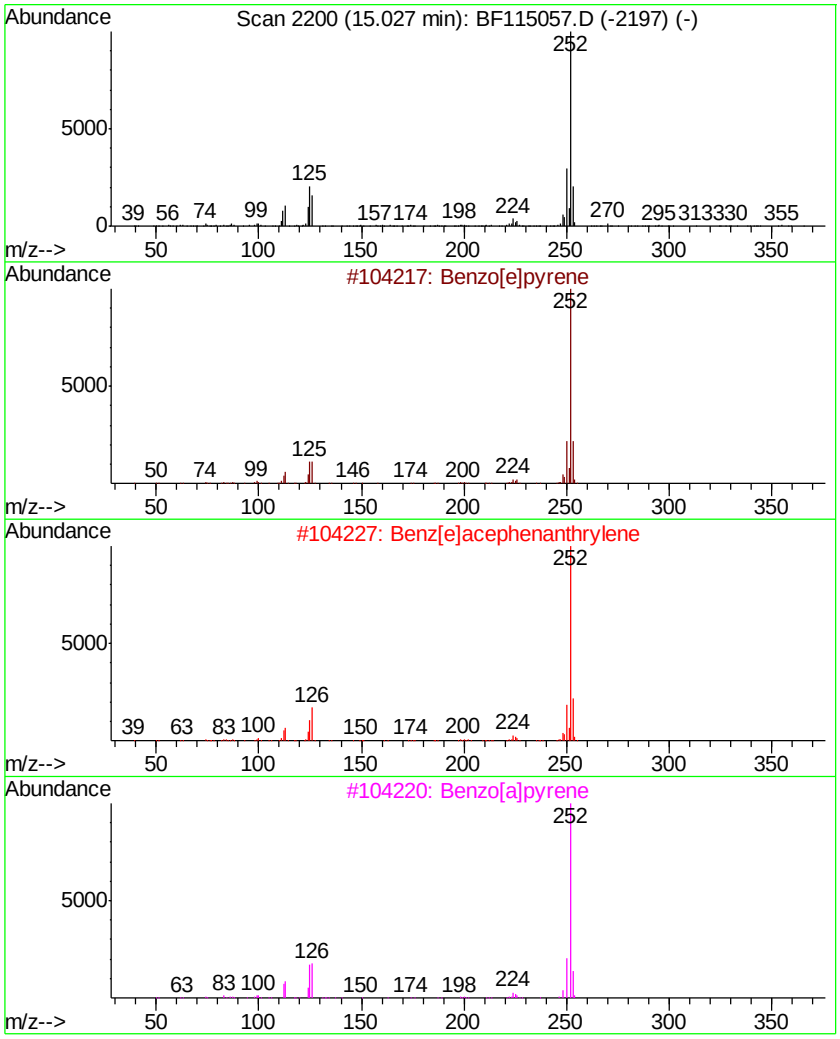
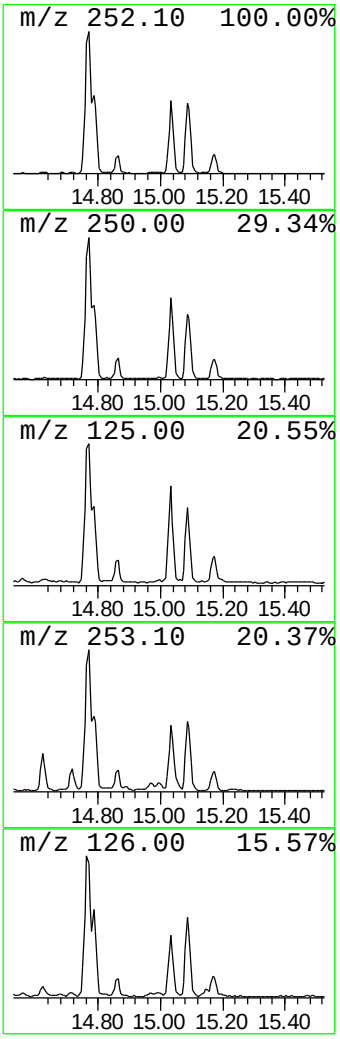
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	8.48 ng	674959	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





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ClientSampleId : RBR-200029

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TIC Library : C:\DATABASE\NIST11.L
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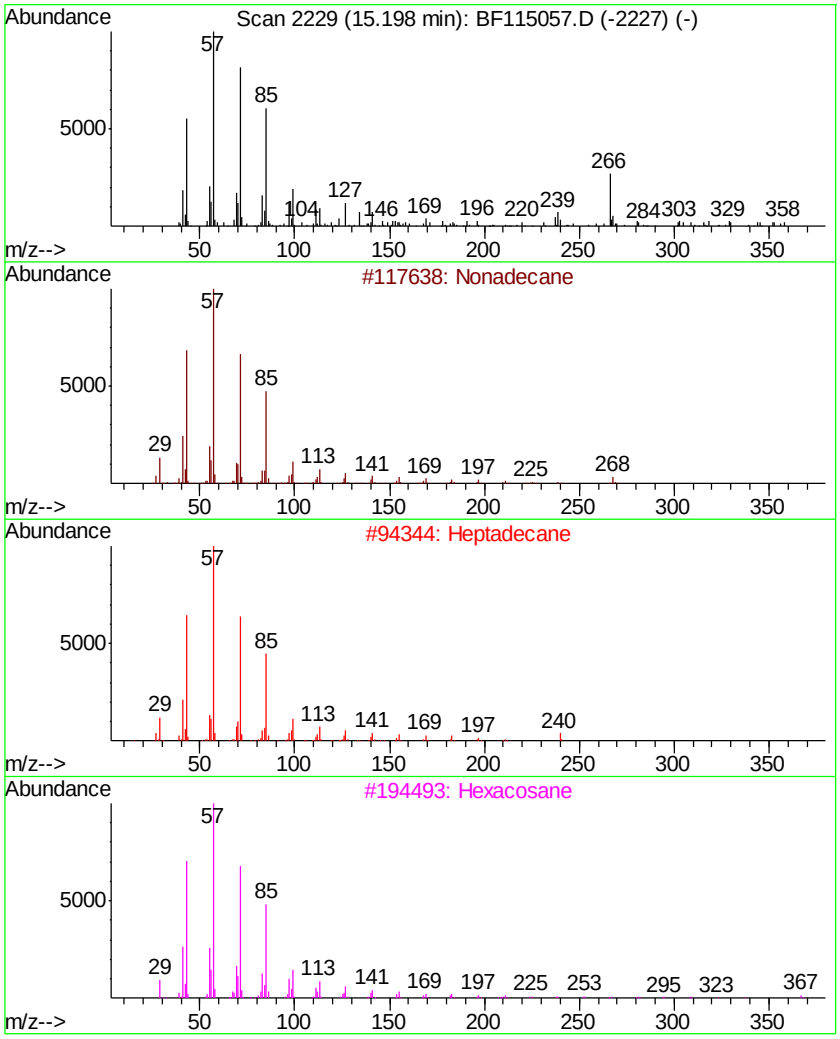
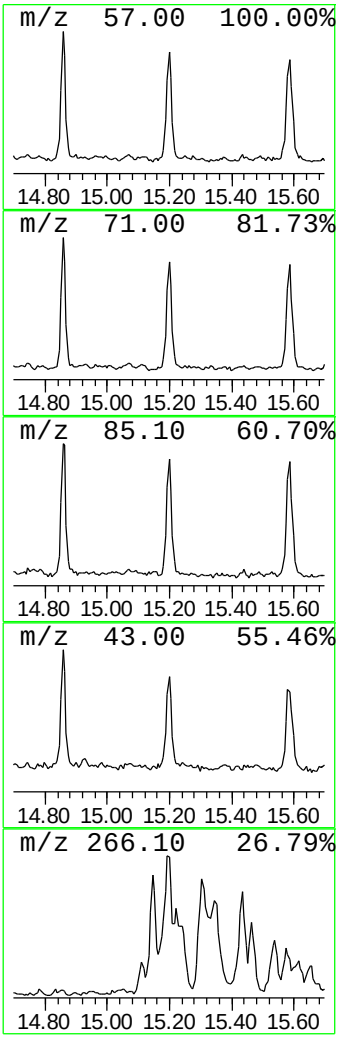
Peak Number 19 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	2.62 ng	208341	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	81
2	Heptadecane	240	C17H36	000629-78-7	74
3	Hexacosane	366	C26H54	000630-01-3	74
4	Octadecane	254	C18H38	000593-45-3	72
5	Tetracosane	338	C24H50	000646-31-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

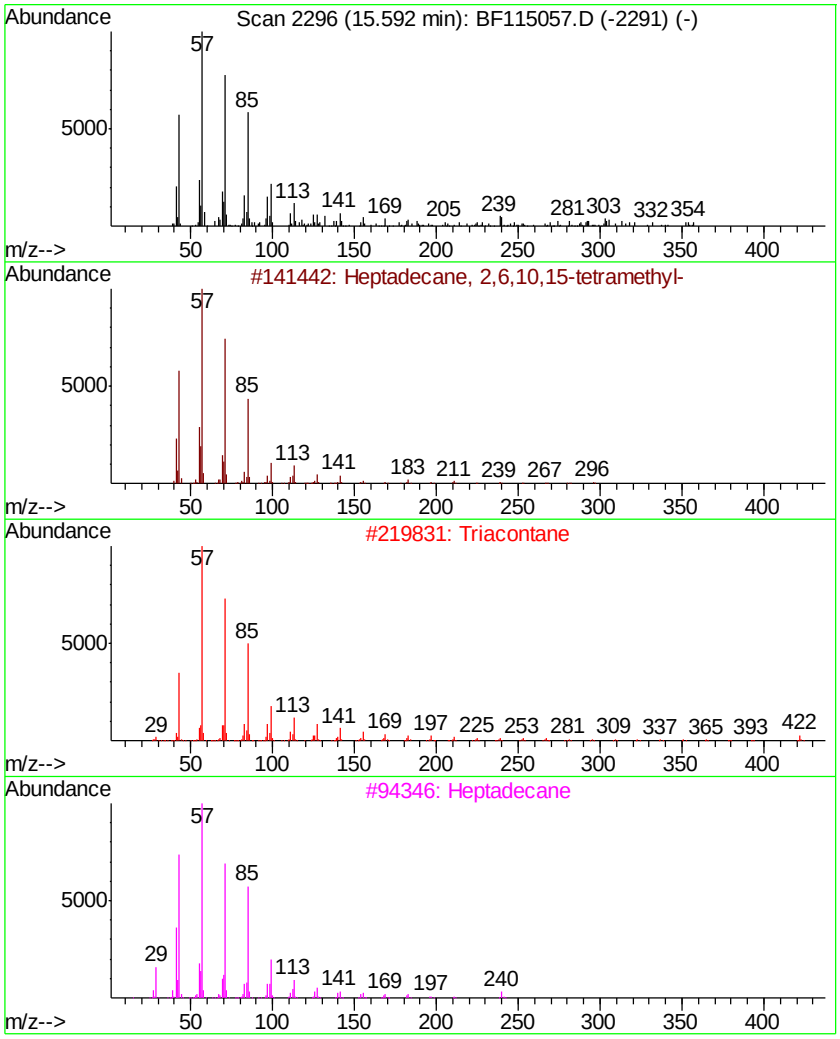
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

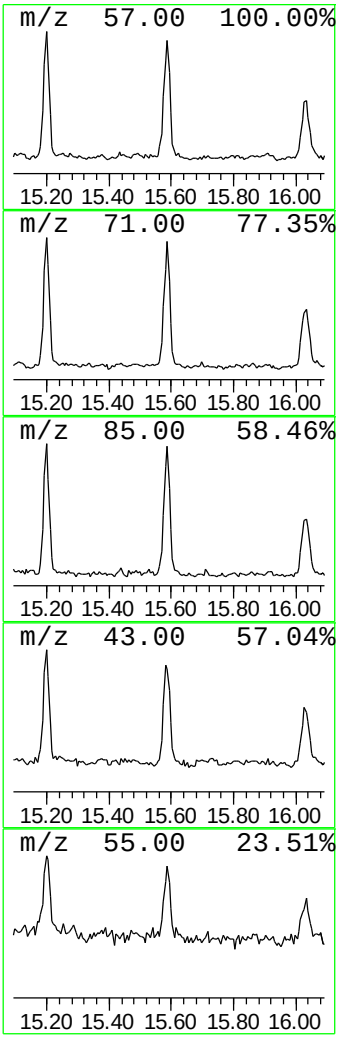
****

Peak Number 20 Heptadecane, 2,6,10,15-tetr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	2.85 ng	226887	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	95
2	Triacontane	422	C30H62	000638-68-6	86
3	Heptadecane	240	C17H36	000629-78-7	86
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
5	Hexacosane	366	C26H54	000630-01-3	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061419\
Data File : BF115057.D
Acq On : 14 Jun 2019 23:03
Operator : HP/JU
Sample : K3351-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200029

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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
unknown6.42	6.42	57.5	ng	5058720	1	6.65	1760270	20.0
1-Isopropenylnaph...	10.28	3.2	ng	398166	3	9.67	2510640	20.0
Phenanthrene, 2-m...	11.65	3.1	ng	346893	4	11.15	2251350	20.0
Phenanthrene, 4-m...	11.67	3.7	ng	417868	4	11.15	2251350	20.0
4H-Cyclopenta[def...	11.76	11.9	ng	1341670	4	11.15	2251350	20.0
1,2,4,8-Tetrameth...	11.95	2.8	ng	317894	4	11.15	2251350	20.0
Cyclopenta(def)ph...	12.27	5.7	ng	636447	4	11.15	2251350	20.0
Pyrene, 1-methyl-	12.80	3.0	ng	570652	5	13.77	3772750	20.0
11H-Benzo[b]fluorene	12.91	3.0	ng	575409	5	13.77	3772750	20.0
Pyrene, 2-methyl-	13.01	2.8	ng	534205	5	13.77	3772750	20.0
11H-Benzo[a]fluor...	13.41	2.7	ng	510847	5	13.77	3772750	20.0
Anthra(1,2-b)thio...	13.52	2.7	ng	507064	5	13.77	3772750	20.0
Eicosane	14.56	2.9	ng	231492	6	15.14	1592800	20.0
Benz(a)anthracene...	14.62	2.8	ng	221019	6	15.14	1592800	20.0
Benz[e]acephenant...	14.86	3.9	ng	306857	6	15.14	1592800	20.0
Benzo[e]pyrene	15.03	8.5	ng	674959	6	15.14	1592800	20.0
Nonadecane	15.20	2.6	ng	208341	6	15.14	1592800	20.0
Heptadecane, 2,6,...	15.59	2.9	ng	226887	6	15.14	1592800	20.0