LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

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-BF092218.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	4.881	473	475	481	rBV	15509	18560	1.37%	0.086%
2	5.316	546	549	562	rBV	394303	475608	35.21%	2.213%
3	6.345	721	724	742	rBV	648743	844154	62.50%	3.928%
4	6.469	742	745	764	rVB	665748	751867	55.67%	3.499%
5	6.698	781	784	796	rBV	438996	489786	36.26%	2.279%
6	6.857	807	811	826	rBV	476469	466505	34.54%	2.171%
7	7.263	876	880	908	rBV	381341	538995	39.91%	2.508%
8	7.981	999	1002	1005	rBV	645598	586153	43.40%	2.728%
9	8.698	1120	1124	1132	rBV	24014	31431	2.33%	0.146%
10	8.792	1136	1140	1150	rVB	29653	30813	2.28%	0.143%
11	9.057	1181	1185	1198	rBV	1099576	1067269	79.02%	4.966%
12	9.157	1198	1202	1206	rVB2	9982	15529	1.15%	0.072%
13	9.392	1238	1242	1245	rBV	22028	23073	1.71%	0.107%
14	9.451	1249	1252	1258	rVV	129115	119330	8.84%	0.555%
15	9.592	1272	1276	1281	rBV	19902	20029	1.48%	0.093%
16	9.728	1295	1299	1303	rBV2	649644	603273	44.67%	2.807%
17	9.763	1303	1305	1310	rVB	79685	72323	5.35%	0.337%
18	9.933	1331	1334	1339	rBV	53721	65104	4.82%	0.303%
19	10.275	1389	1392	1398	rBV	90562	90147	6.67%	0.419%
20	10.433	1416	1419	1424	rVB	26389	22903	1.70%	0.107%
21	10.516	1429	1433	1446	rBV	808163	865199	64.06%	4.026%
22	10.639	1451	1454	1461	rVB2	19054	22261	1.65%	0.104%
23	10.822	1479	1485	1488	rBV4	20217	29608	2.19%	0.138%
24	10.951	1501	1507	1508	rBV2	15381	14880	1.10%	0.069%
25	10.969	1508	1510	1515	rVV3	15738	21956	1.63%	0.102%
26	11.016	1515	1518	1523	rVV	49008	55330	4.10%	0.257%
27	11.063	1523	1526	1529	rVV	17551	23436	1.74%	0.109%
28	11.104	1529	1533	1541	rVB	38621	49535	3.67%	0.231%
29	11.210	1547	1551	1552	rBV	517776	488518	36.17%	2.273%
30	11.233	1552	1555	1560	rVV	859435	840470	62.23%	3.911%
31	11.280	1560	1563	1567	rVV	174238	196403	14.54%	0.914%
32	11.322	1567	1570	1575	rVB2	20275	29456	2.18%	0.137%
33	11.445	1584	1591	1599	rBV2	76323	121606	9.00%	0.566%
34	11.504	1599	1601	1605	rVV3	19078	23107	1.71%	0.108%

LSC Area Percent Report

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Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.539	1605	1607	1612	rVB4	17266	22921	1.70%	0.107%
36	11.710	1632	1636	1638	rBV	96791	96364	7.13%	0.448%
37	11.745	1638	1642	1646	rVV2	236675	314485	23.28%	1.463%
38	11.786	1646	1649	1651	rVV	58879	71053	5.26%	0.331%
39	11.822	1651	1655	1657	rVV	156205	193720	14.34%	0.901%
40	11.839	1657	1658	1664	rVB	81942	67351	4.99%	0.313%
41	11.916	1669	1671	1674	rVV3	19509	16199	1.20%	0.075%
42	12.004	1683	1686	1688	rBV	69717	64366	4.77%	0.300%
43	12.027	1688	1690	1695	rVB	56892	59831	4.43%	0.278%
44	12.151	1707	1711	1714	rBV3	25604	30459	2.26%	0.142%
45	12.180	1714	1716	1718	rVV2	24825	20311	1.50%	0.095%
46	12.204	1718	1720	1723	rVB	19627	17662	1.31%	0.082%
47	12.257	1725	1729	1731	rBV	66821	70463	5.22%	0.328%
48	12.292	1731	1735	1741	rVV4	41098	86574	6.41%	0.403%
49	12.339	1741	1743	1750	rVB2	68039	83076	6.15%	0.387%
50	12.416	1752	1756	1762	rBV	1105517	1038892	76.92%	4.834%
51	12.480	1765	1767	1770	rVV2	24634	24050	1.78%	0.112%
52	12.527	1770	1775	1777	rVV2	72154	84152	6.23%	0.392%
53	12.563	1779	1781	1786	rVV2	41814	52110	3.86%	0.242%
54	12.639	1788	1794	1798	rBV2	841400	1032608	76.46%	4.805%
55	12.692	1801	1803	1809	rVB2	64513	83038	6.15%	0.386%
56	12.786	1811	1819	1827	rBV	1208632	1230825	91.13%	5.727%
57	12.863	1827	1832	1835	rBV2	83473	129821	9.61%	0.604%
58	12.945	1843	1846	1848	rBV2	69015	82726	6.13%	0.385%
59	12.968	1848	1850	1854	rVB	145281	138835	10.28%	0.646%
60	13.010	1854	1857	1858	rBV2	18916	21338	1.58%	0.099%
61	13.033	1858	1861	1864	rBV2	83294	88701	6.57%	0.413%
62	13.074	1864	1868	1875	rVB2	124964	159929	11.84%	0.744%
63	13.133	1875	1878	1880	rBV	20823	17411	1.29%	0.081%
64	13.163	1880	1883	1886	rBV	63534	55819	4.13%	0.260%
65	13.192	1886	1888	1893	rBV2	55340	67852	5.02%	0.316%
66	13.368	1912	1918	1920	rBV5	58396	97059	7.19%	0.452%
67	13.457	1930	1933	1934	rBV2	19668	18819	1.39%	0.088%
68	13.474	1934	1936	1941	rVB	106506	122987	9.11%	0.572%
69	13.586	1951	1955	1957	rBV	113721	129344	9.58%	0.602%
70	13.610	1957	1959	1962	rVV	99684	117755	8.72%	0.548%
71	13.639	1962	1964	1969	rVV2	76746	130501	9.66%	0.607%

LSC Area Percent Report

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Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.686	1969	1972	1980	rVB3	164436	264206	19.56%	1.229%
73	13.833	1990	1997	2000	rBV2	874809	1350607	100.00%	6.285%
74	13.863	2000	2002	2010	rVB	546385	514308	38.08%	2.393%
75	13.939	2012	2015	2018	rVB	66724	51398	3.81%	0.239%
76	13.980	2020	2022	2024	rBV	35142	30644	2.27%	0.143%
77	14.010	2024	2027	2029	rBV2	78433	68440	5.07%	0.318%
78	14.157	2049	2052	2054	rBV2	25610	34327	2.54%	0.160%
79	14.186	2054	2057	2058	rVV2	46626	40559	3.00%	0.189%
80	14.221	2060	2063	2066	rVV	144063	135092	10.00%	0.629%
81	14.257	2066	2069	2072	rVB	60878	61243	4.53%	0.285%
82	14.315	2076	2079	2081	rVB2	148199	127384	9.43%	0.593%
83	14.345	2081	2084	2086	rBV3	38930	34531	2.56%	0.161%
84	14.527	2112	2115	2117	rBV4	39705	47433	3.51%	0.221%
85	14.610	2125	2129	2131	rBV2	185453	192589	14.26%	0.896%
86	14.674	2137	2140	2151	rVB4	62073	132663	9.82%	0.617%
87	14.845	2164	2169	2172	rBV	404169	629186	46.59%	2.928%
88	14.921	2178	2182	2184	rBV2	191805	218094	16.15%	1.015%
89	14.945	2184	2186	2190	rVB	83384	75125	5.56%	0.350%
90	15.121	2212	2216	2222	rVB	205797	276904	20.50%	1.289%
91	15.180	2222	2226	2231	rBV	320724	388144	28.74%	1.806%
92	15.239	2231	2236	2238	rVV	340199	437294	32.38%	2.035%
93	15.268	2238	2241	2247	rVB2	262441	343339	25.42%	1.598%
94	15.668	2305	2309	2315	rVB	124825	180018	13.33%	0.838%
95	16.121	2382	2386	2392	rVB	67607	114425	8.47%	0.532%
96	16.586	2460	2465	2472	rVB2	106769	201133	14.89%	0.936%
97	16.656	2474	2477	2484	rVB2	36473	69404	5.14%	0.323%
98	16.751	2488	2493	2496	rBV	31927	54209	4.01%	0.252%
99	16.992	2528	2534	2542	rBV	76381	163335	12.09%	0.760%

Sum of corrected areas: 21490058

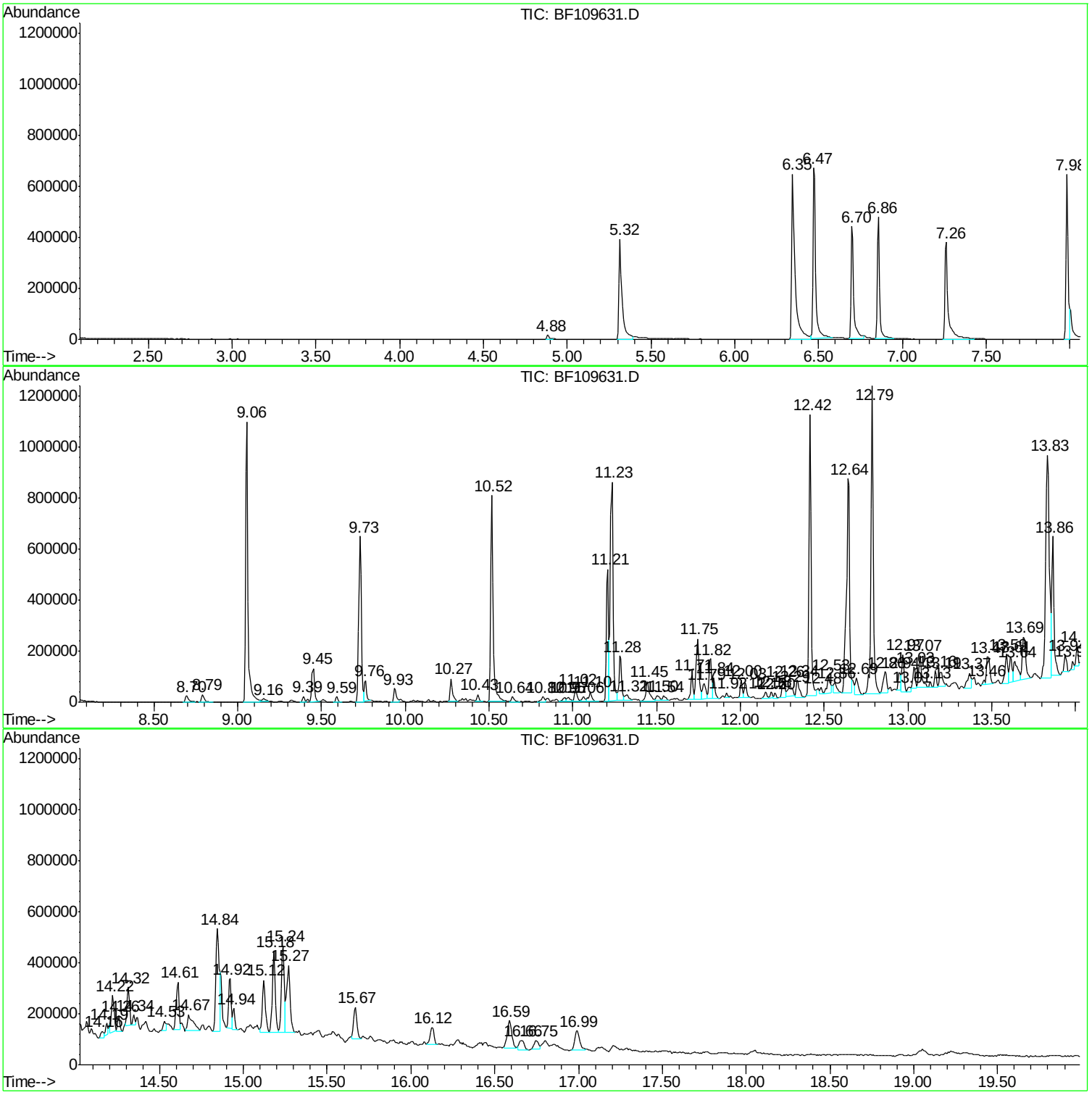
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
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Sample : J5263-02
Misc :
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Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

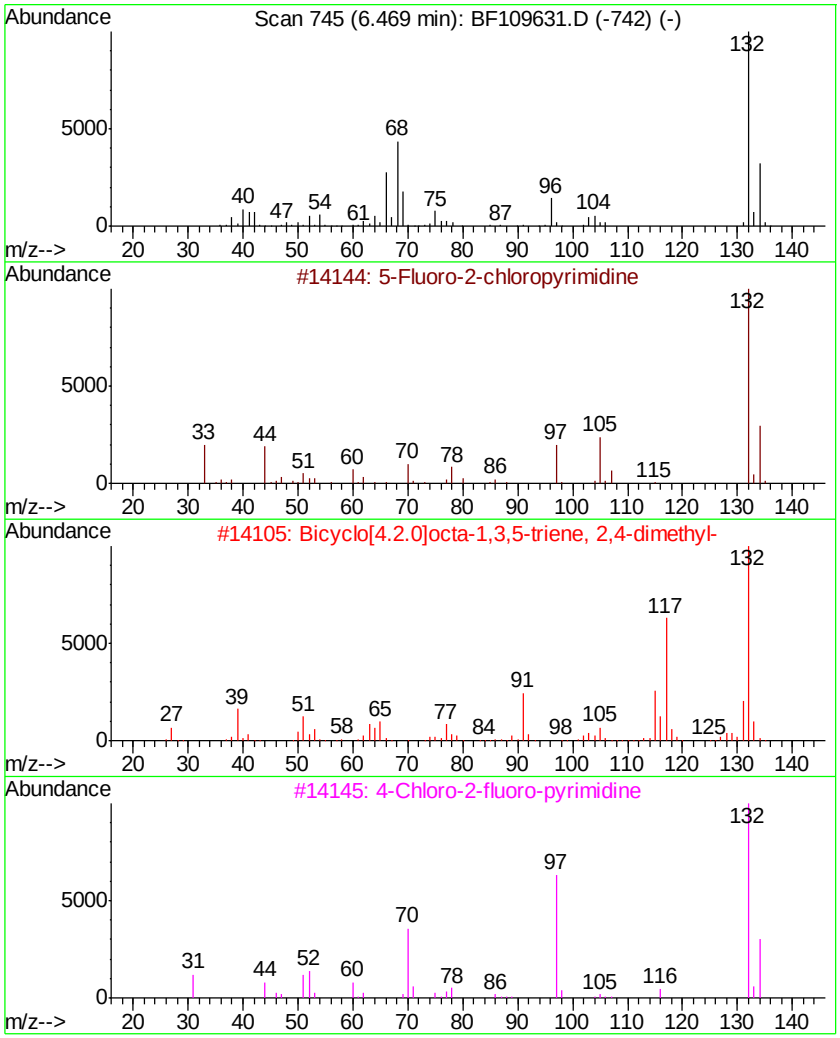
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

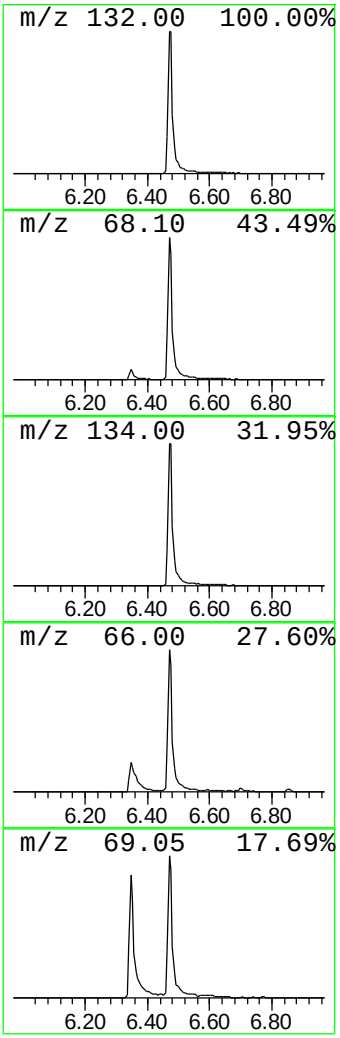
****

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	30.70 ng	751867	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
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Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

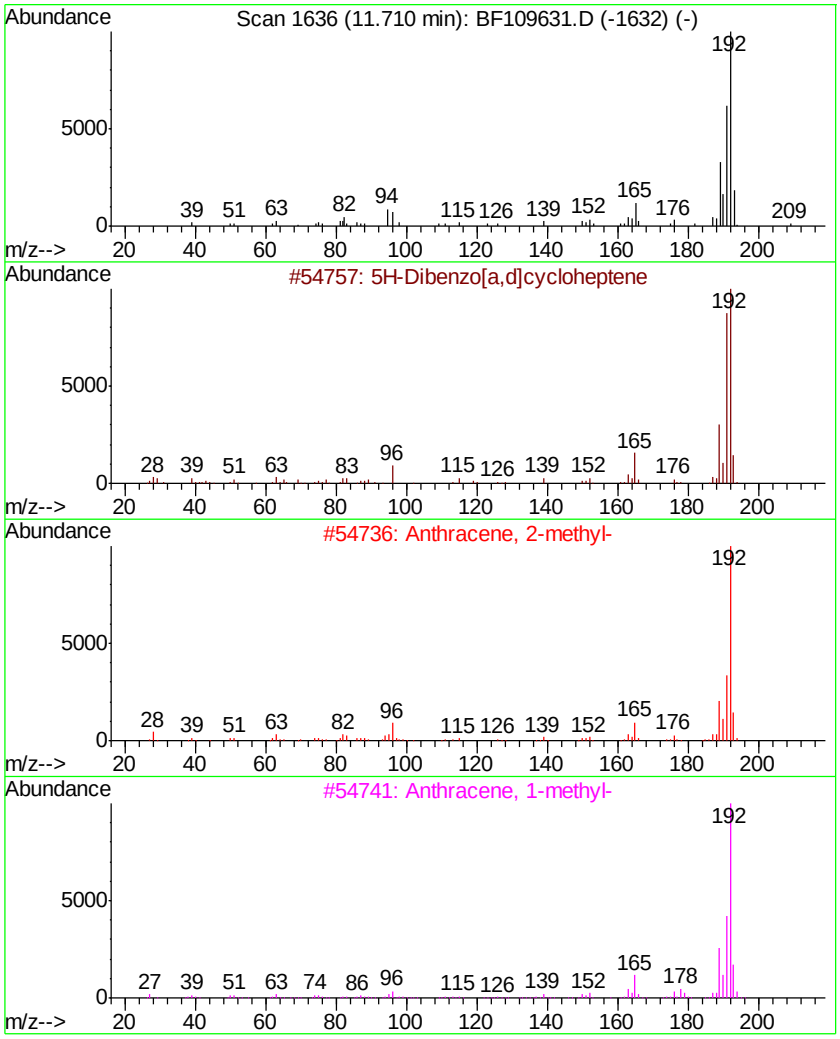
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

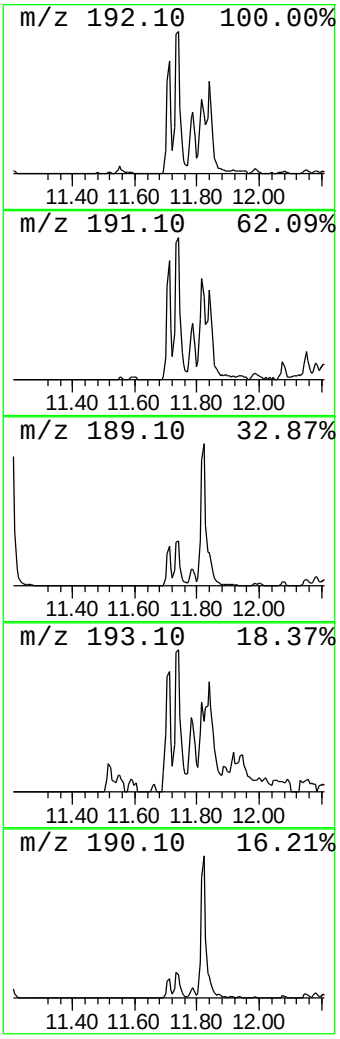
****

Peak Number 3 5H-Dibenzo[a,d]cycloheptene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	3.95 ng	96364	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Acq On : 6 Oct 2018 1:45
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Sample : J5263-02
Misc :
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Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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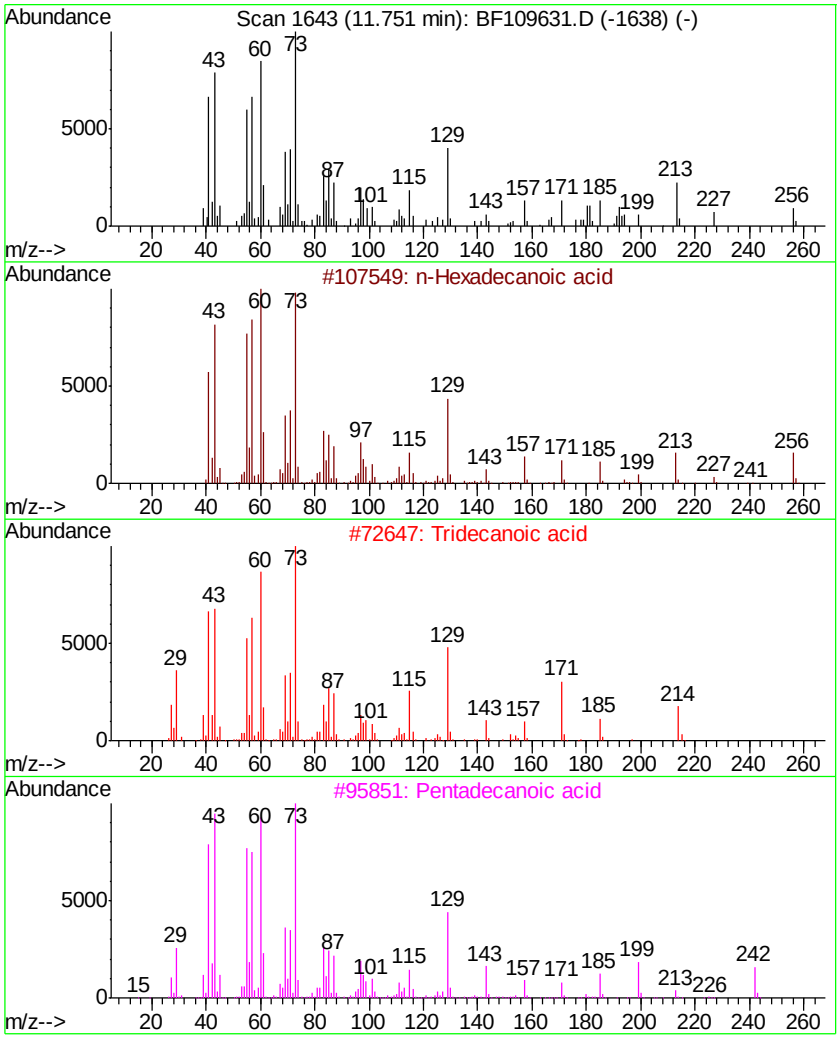
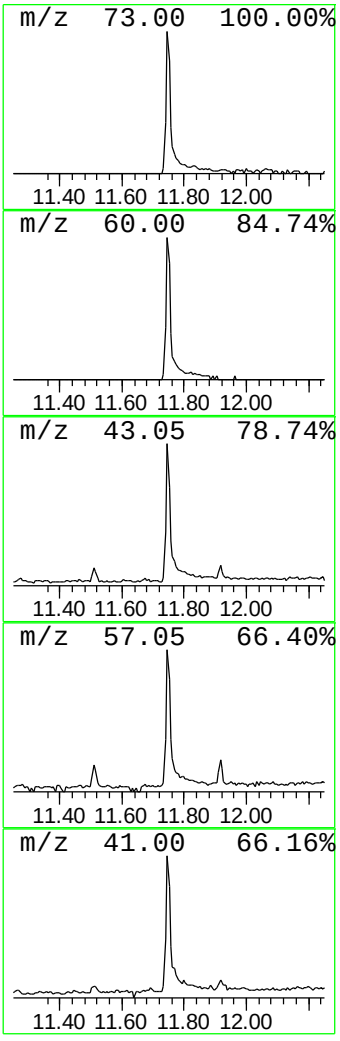
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	12.88 ng	314485	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
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Acq On : 6 Oct 2018 1:45
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Misc :
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Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

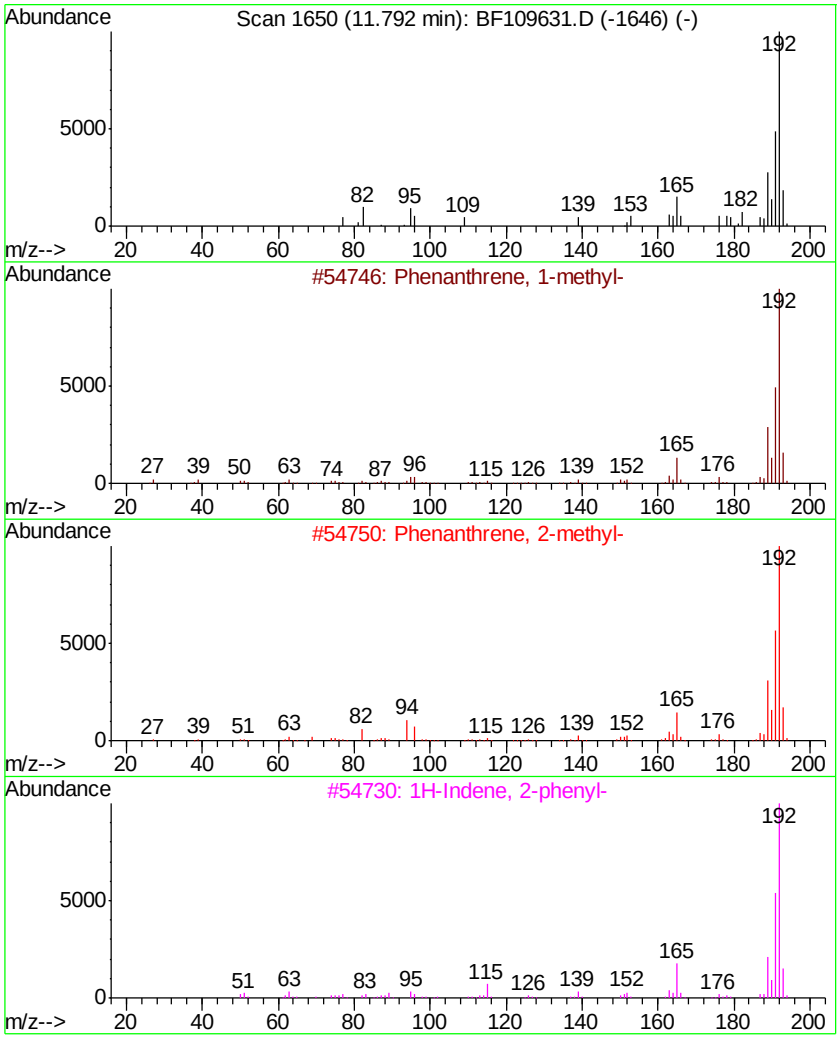
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

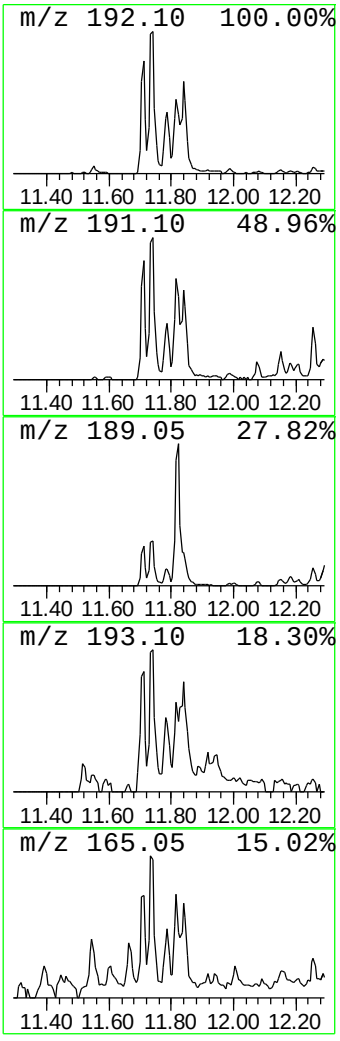
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.91 ng	71053	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

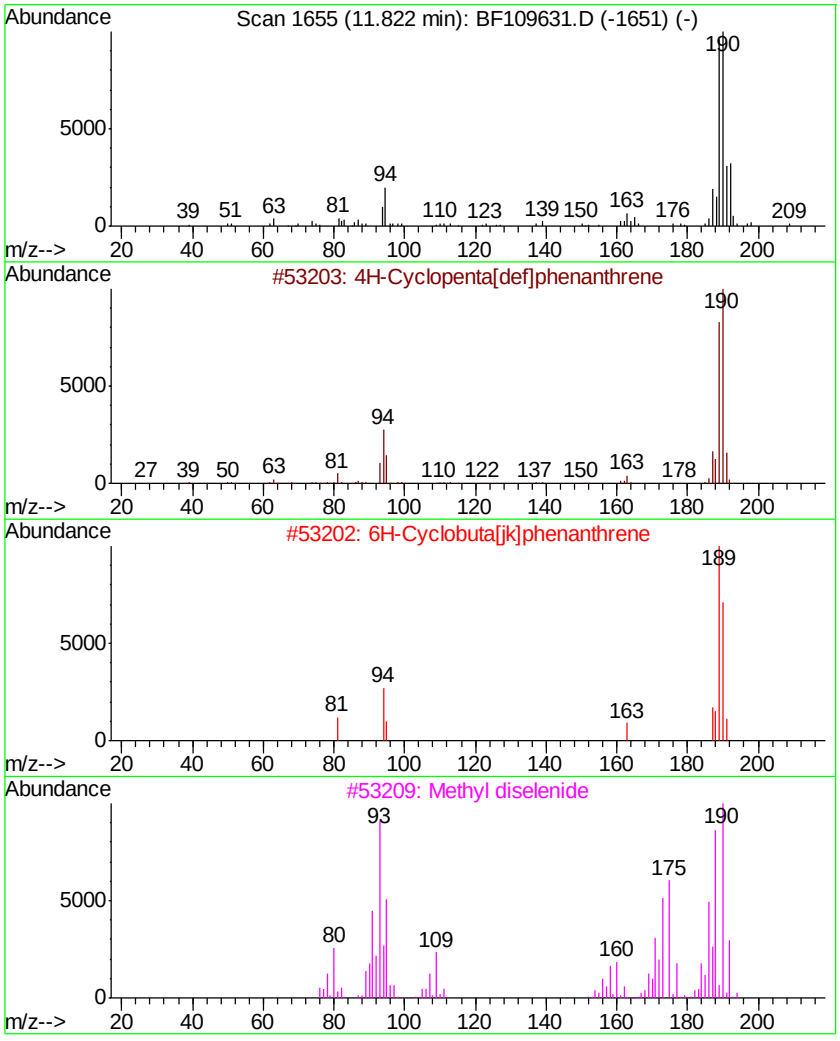
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

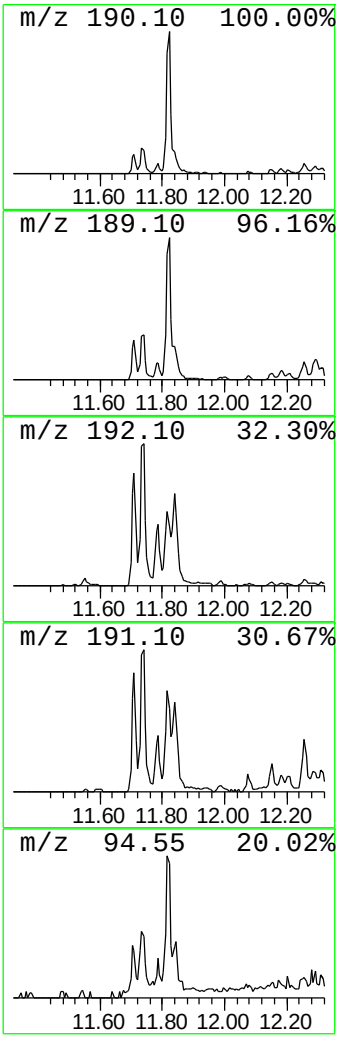
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	7.93 ng	193720	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





Library Search Compound Report

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Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

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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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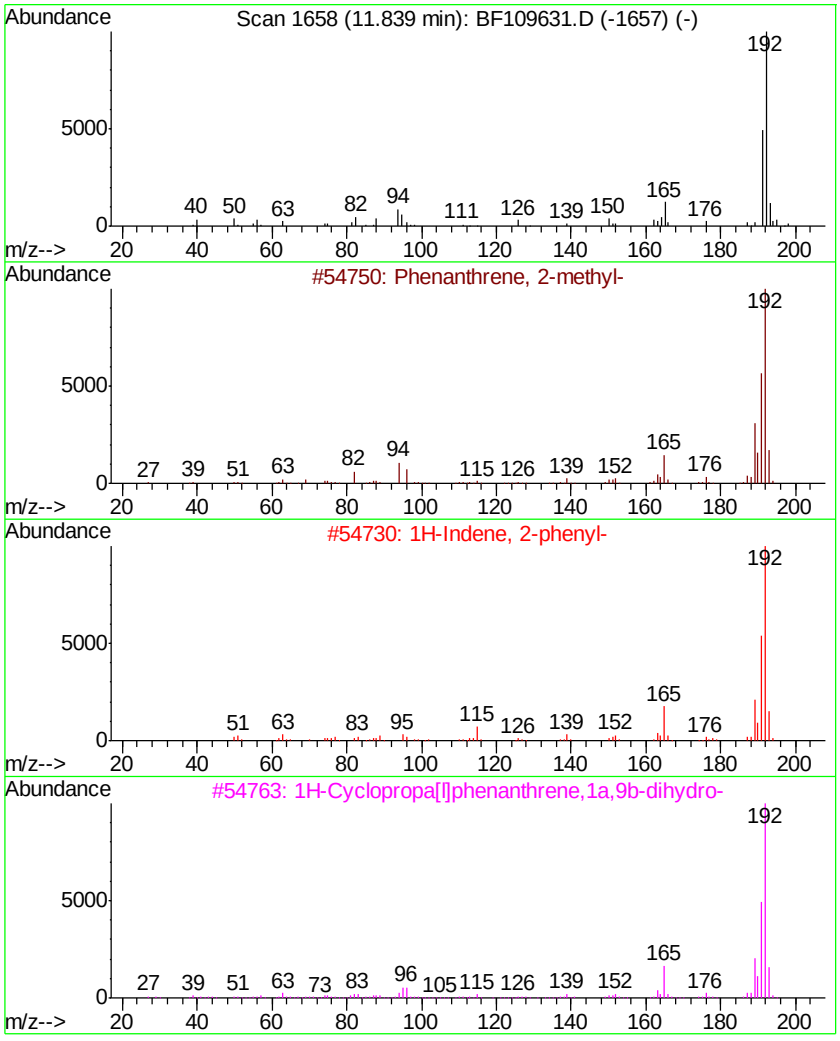
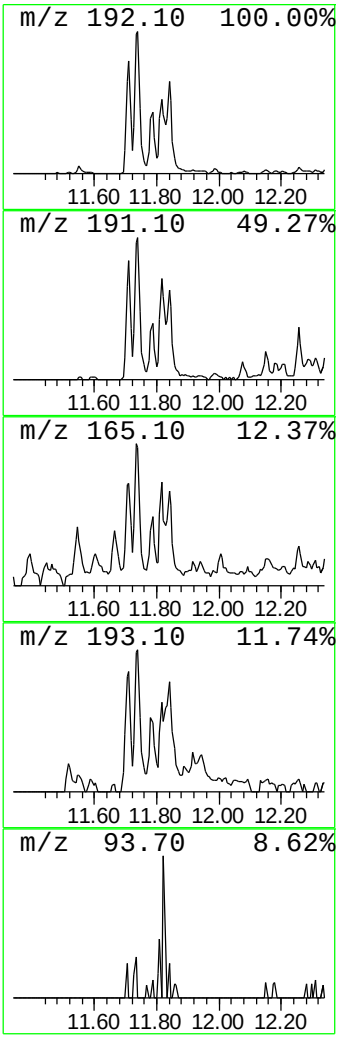
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.76 ng	67351	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80





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ClientSampleId : GRID11-COMP-100318

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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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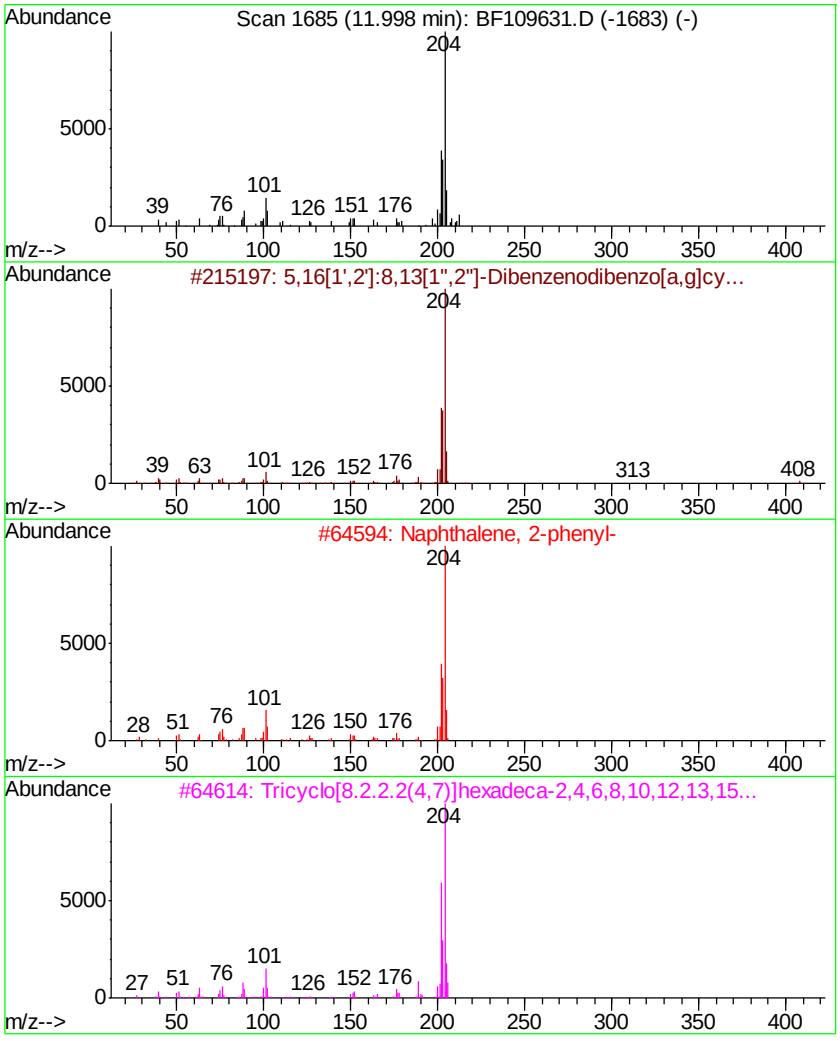
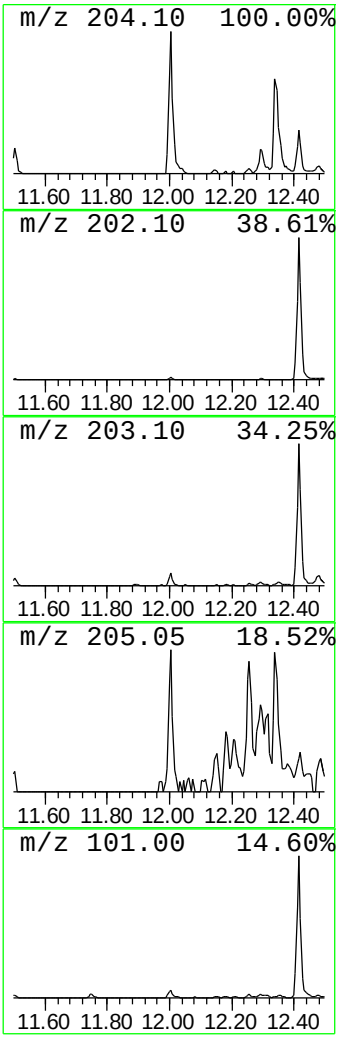
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.64 ng	64366	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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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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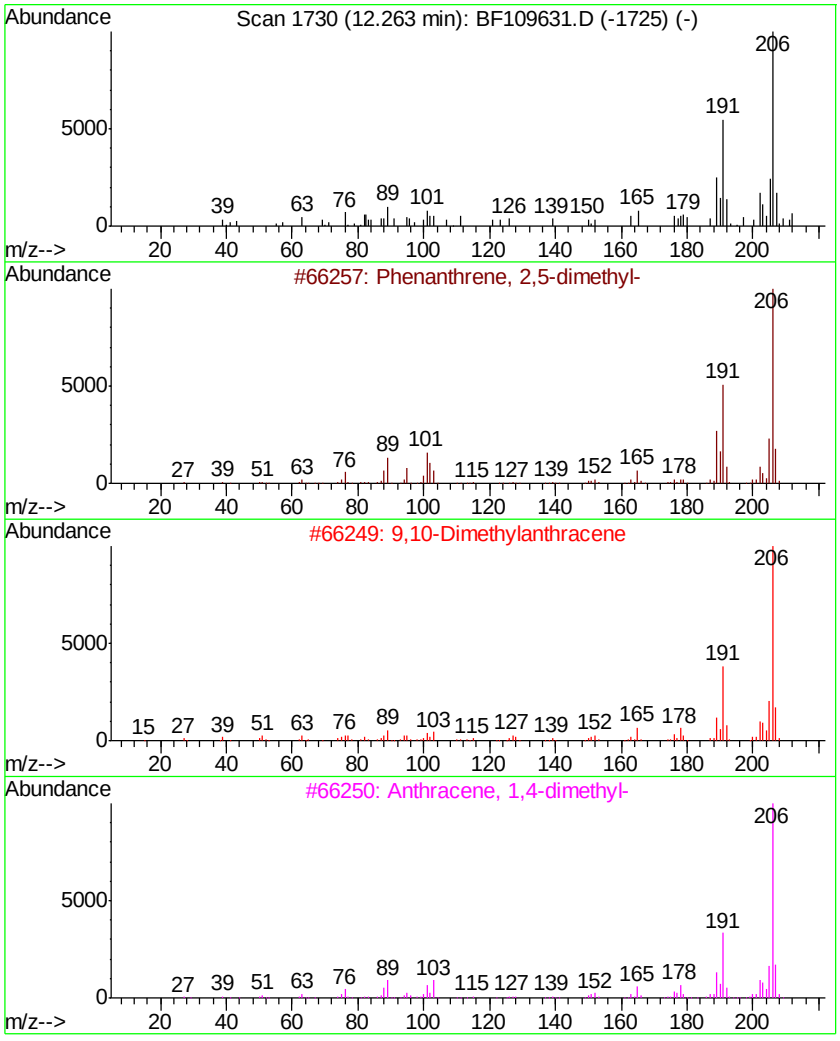
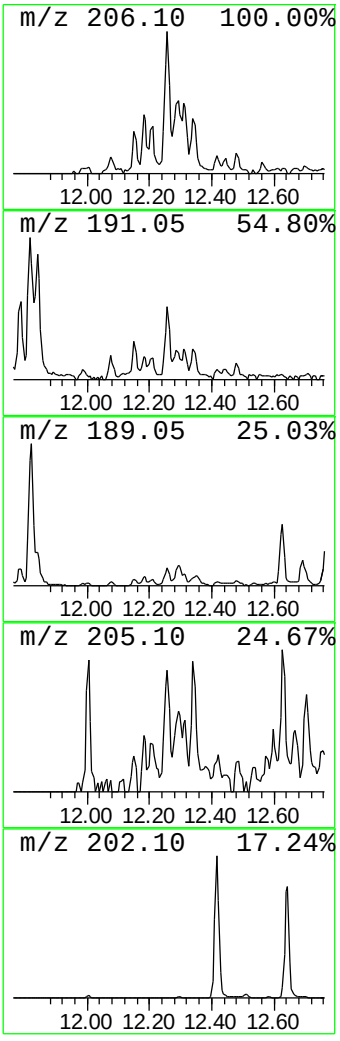
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.88 ng	70463	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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ClientSampleId : GRID11-COMP-100318

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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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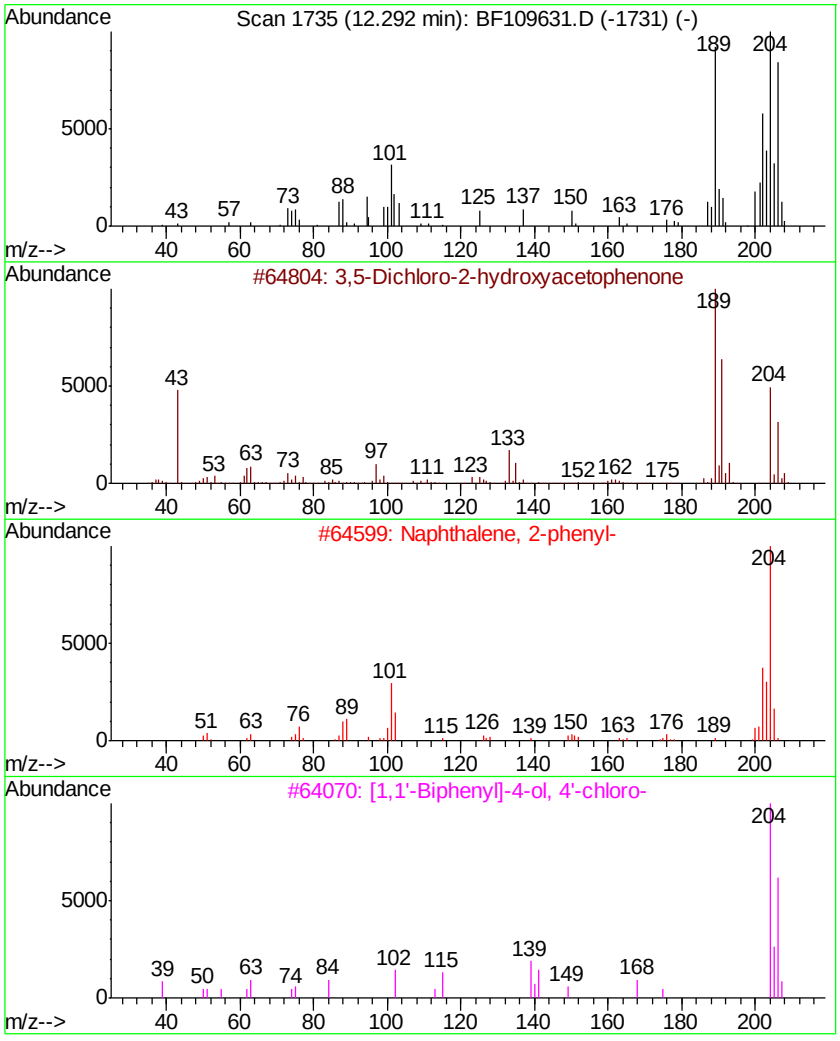
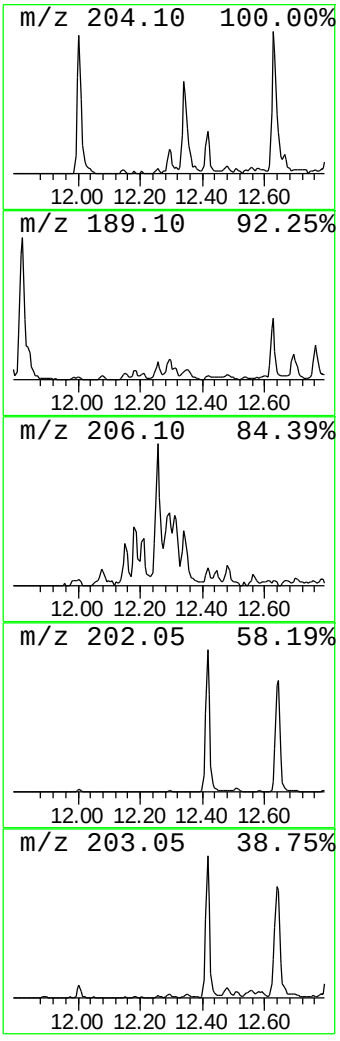
Peak Number 10 unknown12.29 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.54 ng	86574	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	47
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
4	Acetamide, 2-(3-benzothienyl)-, ...	263	C12H13N3O2S	1000270-74-8	35
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30





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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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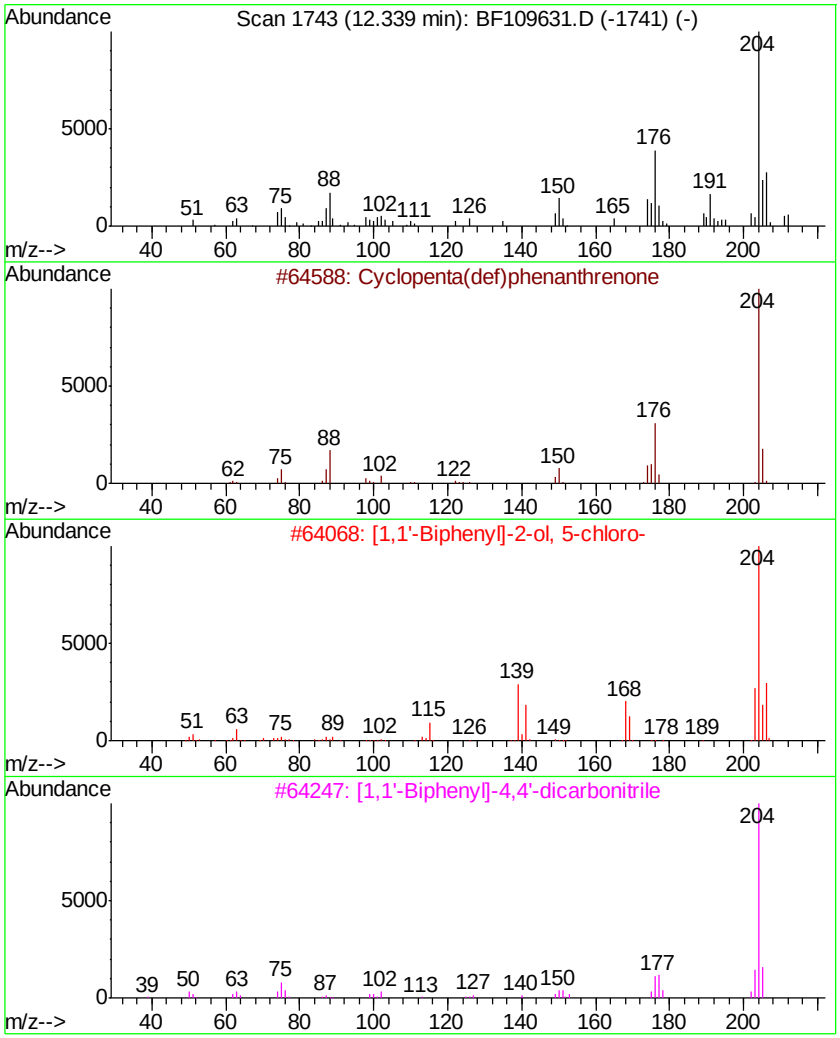
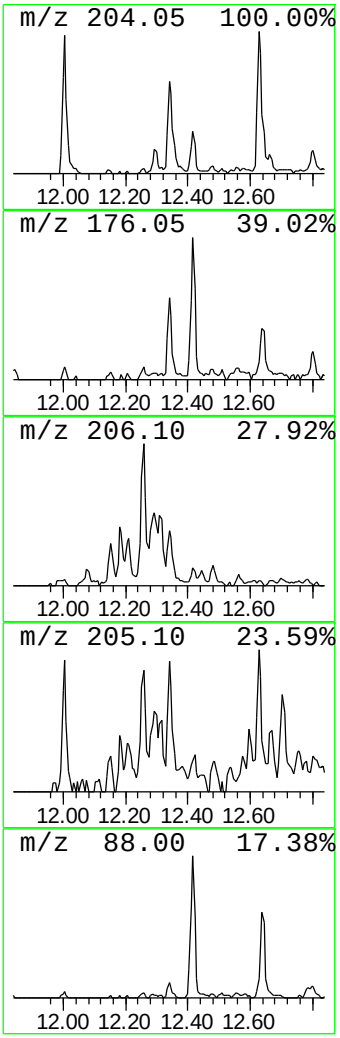
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.40 ng	83076	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	45
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	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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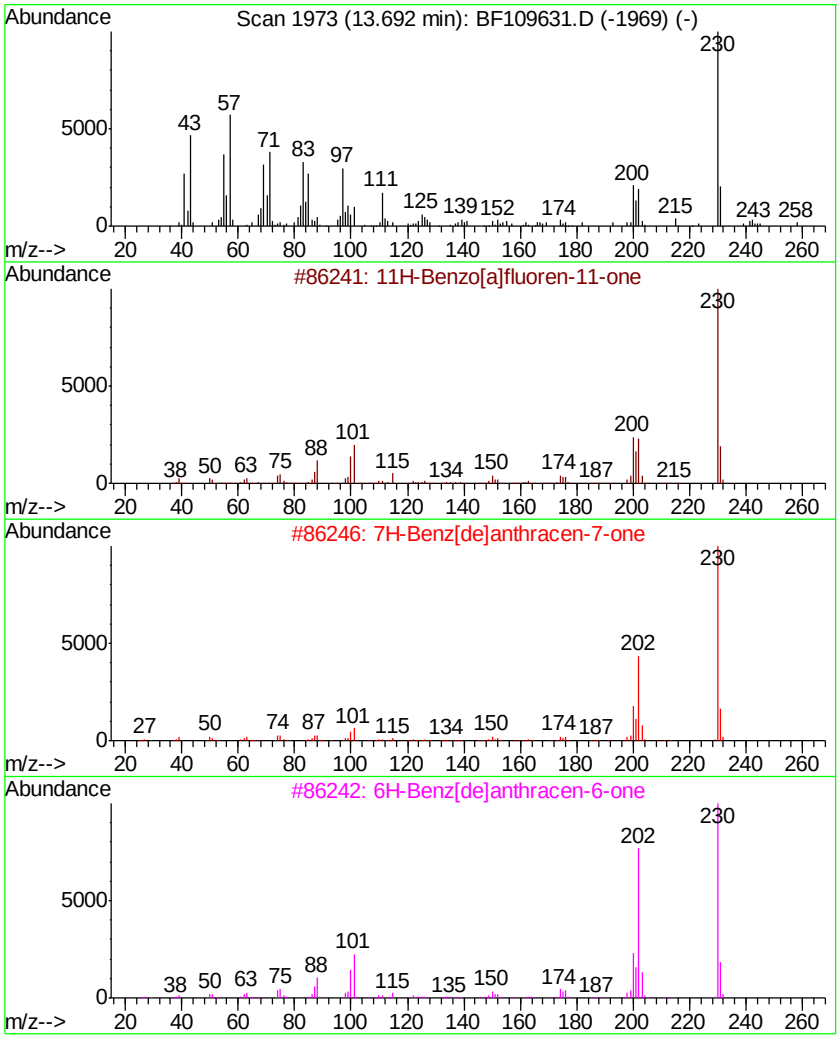
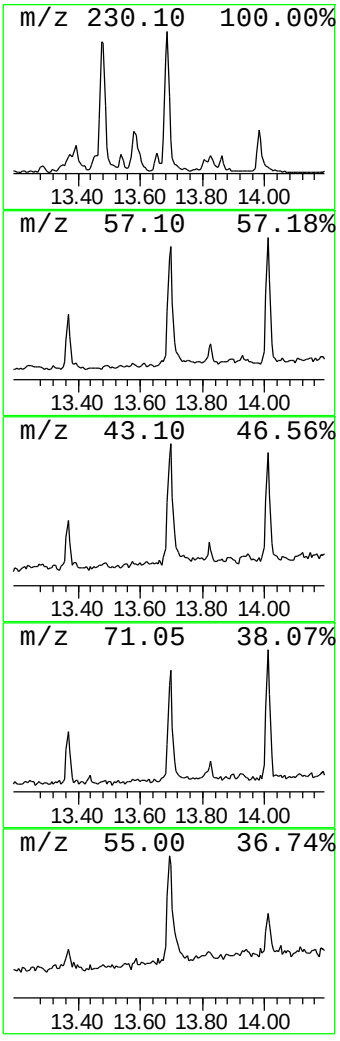
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	3.91 ng	264206	Chrysene-d12	13.84

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	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	o-Terphenyl	230	C18H14	000084-15-1	50





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Misc :
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ClientSampleId : GRID11-COMP-100318

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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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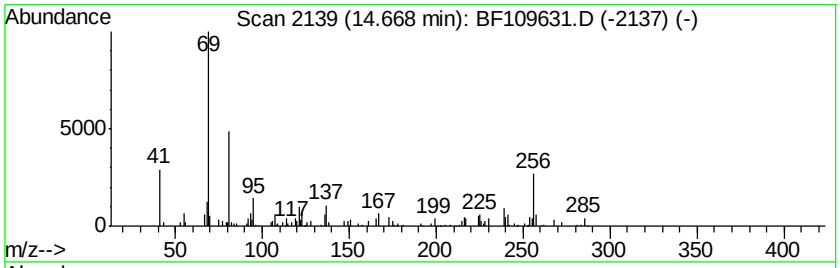
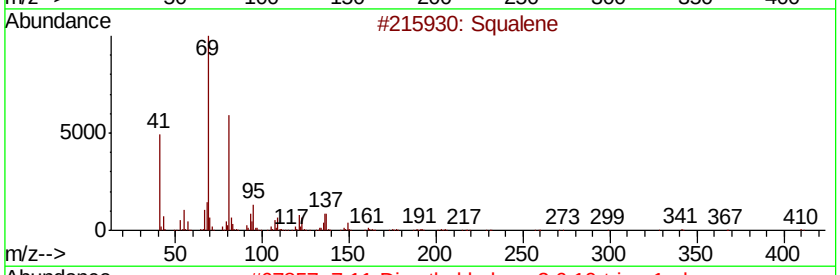
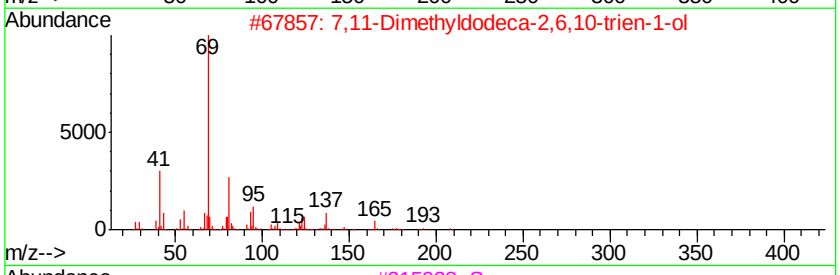
Peak Number 14 Squalene Concentration Rank 9

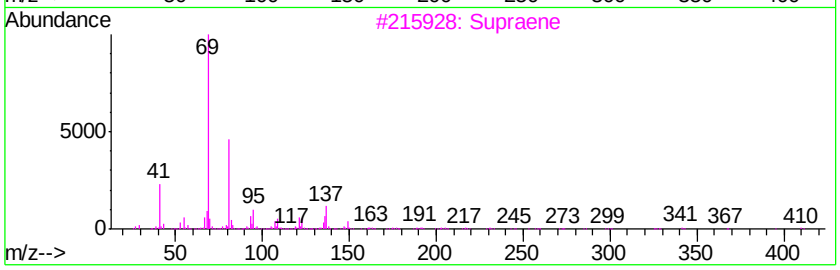
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	6.07 ng	132663	Perylene-d12	15.24

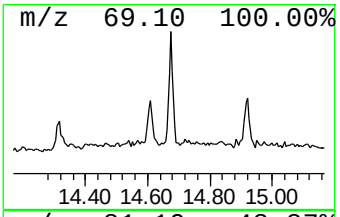
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	68
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
3	Supraene	410	C30H50	007683-64-9	53
4	2,6,10-Dodecatrienoic acid, 3,7,...	250	C16H26O2	003675-00-1	53
5	Trideca-1,3,7,11-tetraene-1,1-di...	268	C18H24N2	1000159-88-9	49

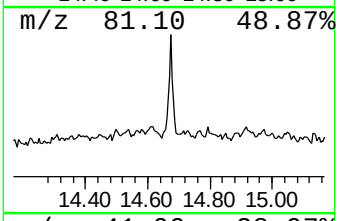


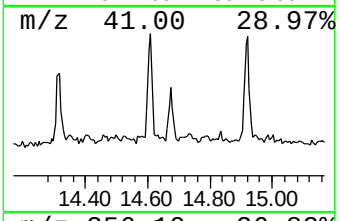


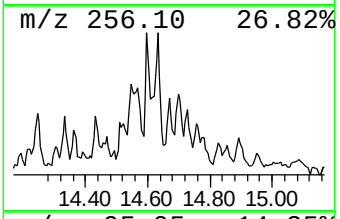


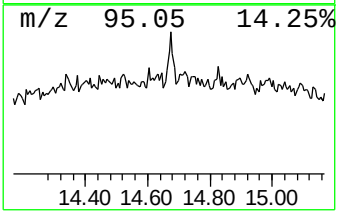












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Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

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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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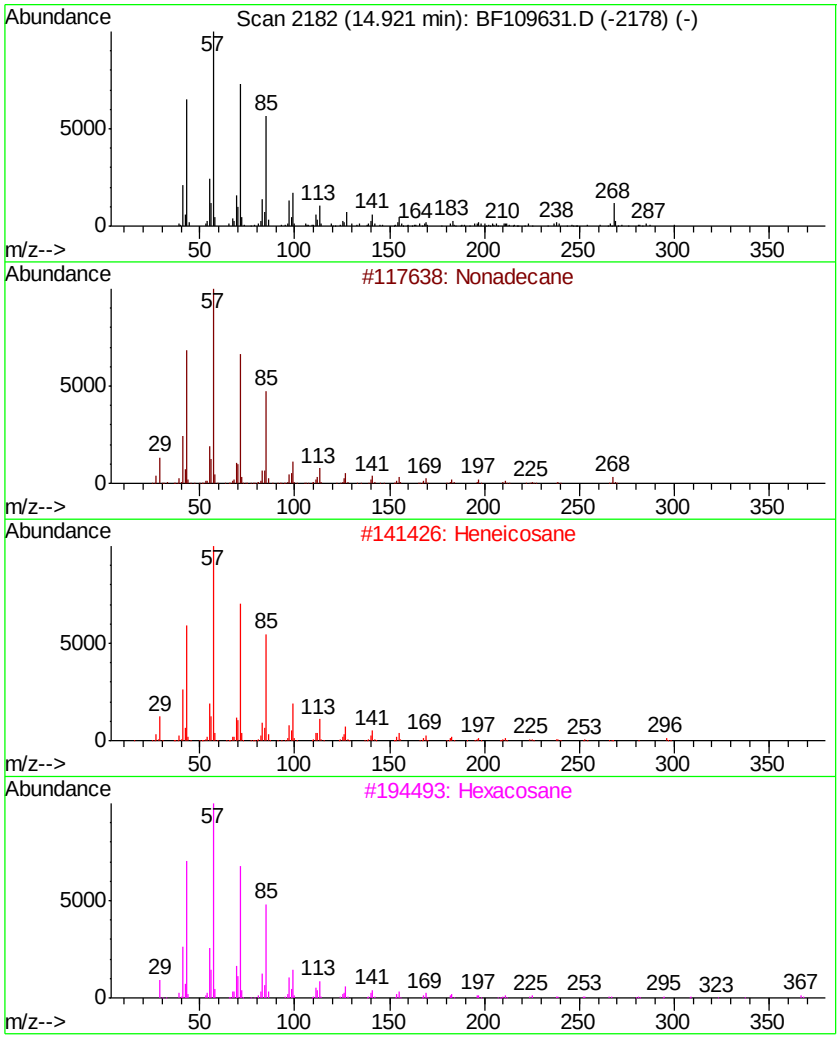
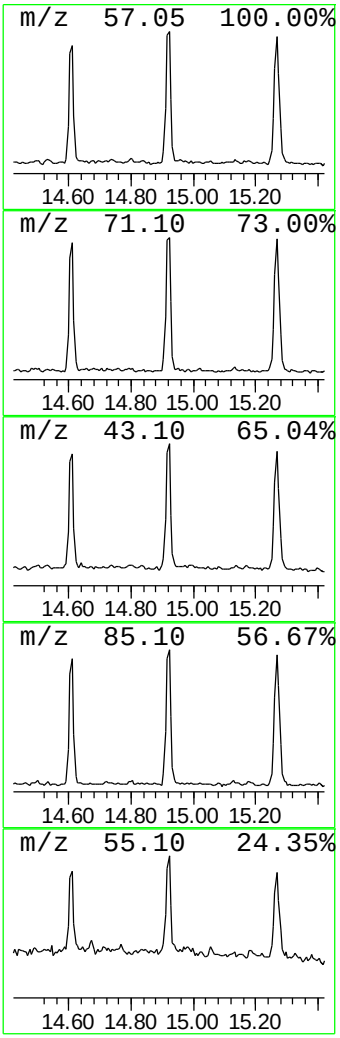
Peak Number 15 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	9.97 ng	218094	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Heneicosane	296	C21H44	000629-94-7	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Docosane	310	C22H46	000629-97-0	83
5	Tetratetracontane	619	C44H90	007098-22-8	76





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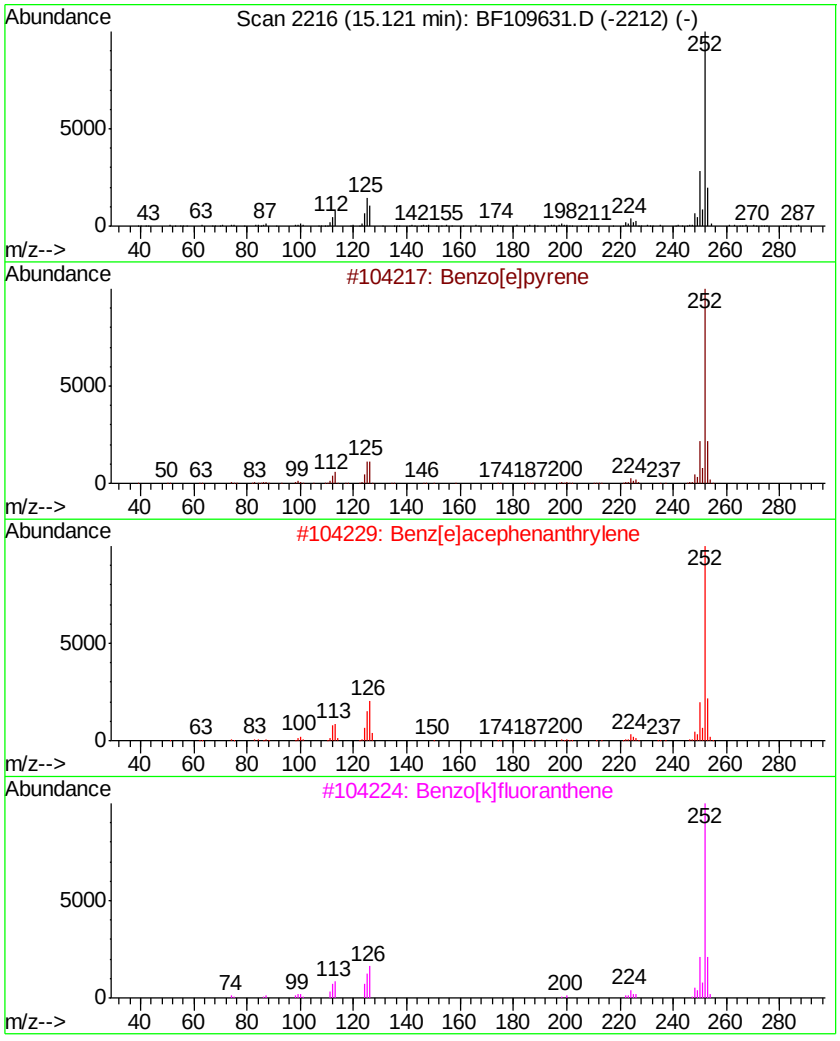
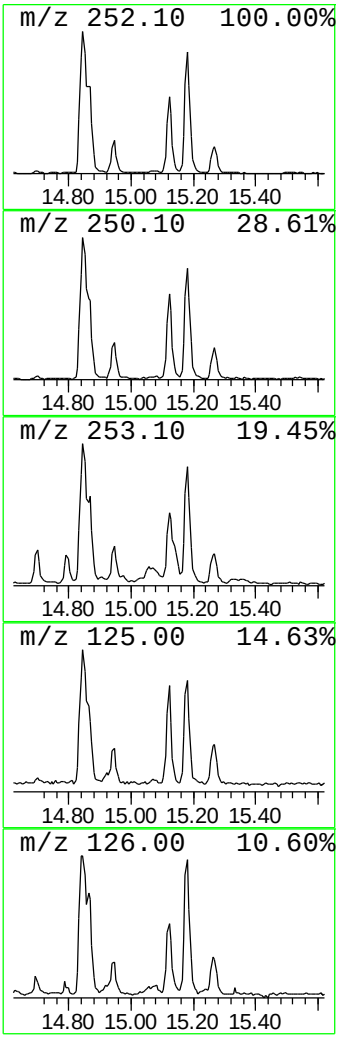
Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	12.66 ng	276904	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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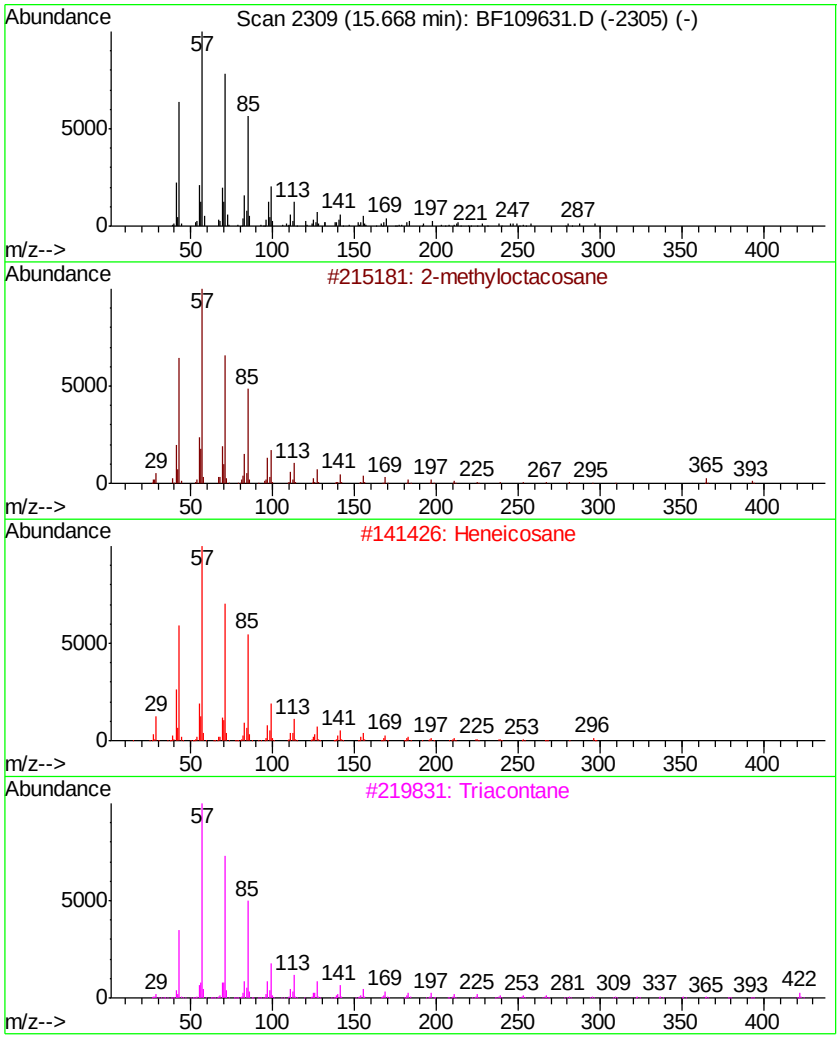
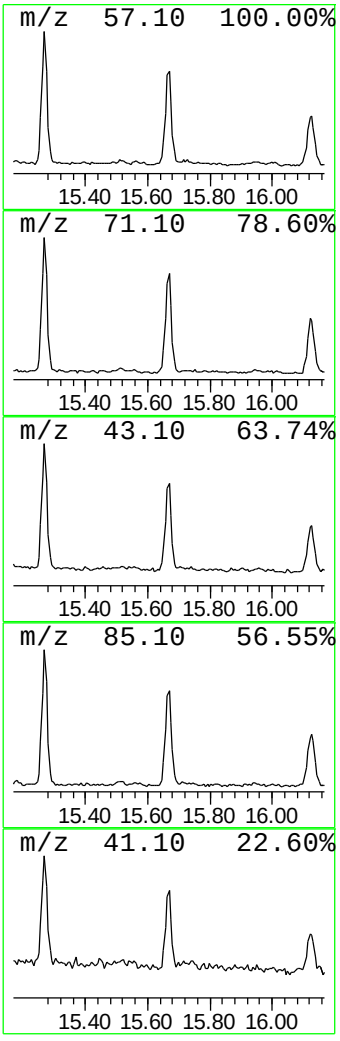
Peak Number 18 2-methyloctacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	8.23 ng	180018	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Octacosane	394	C28H58	000630-02-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

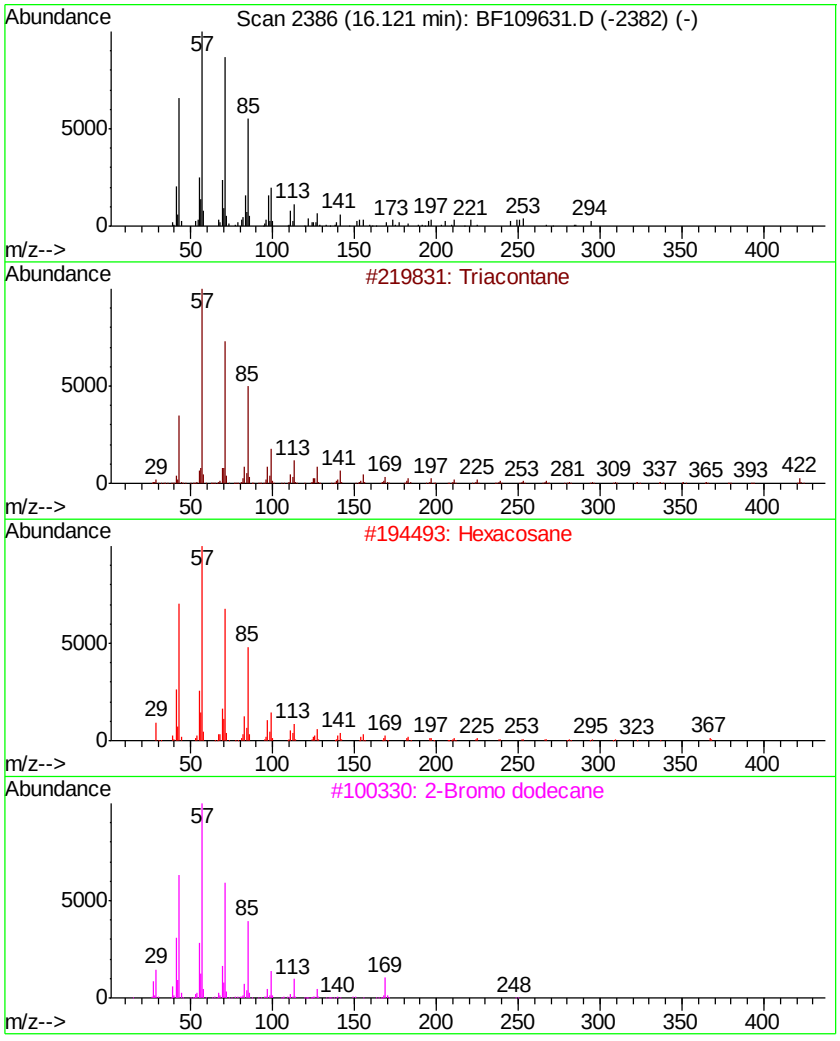
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

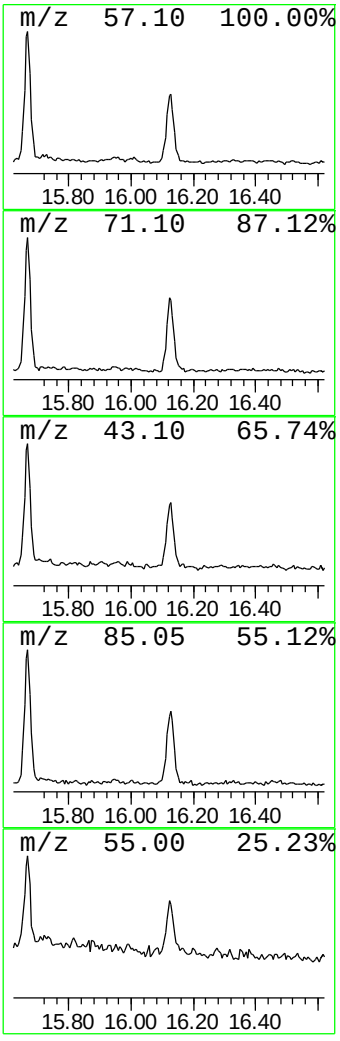
****

Peak Number 19 Triacontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	5.23 ng	114425	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	90
2	Hexacosane	366	C26H54	000630-01-3	86
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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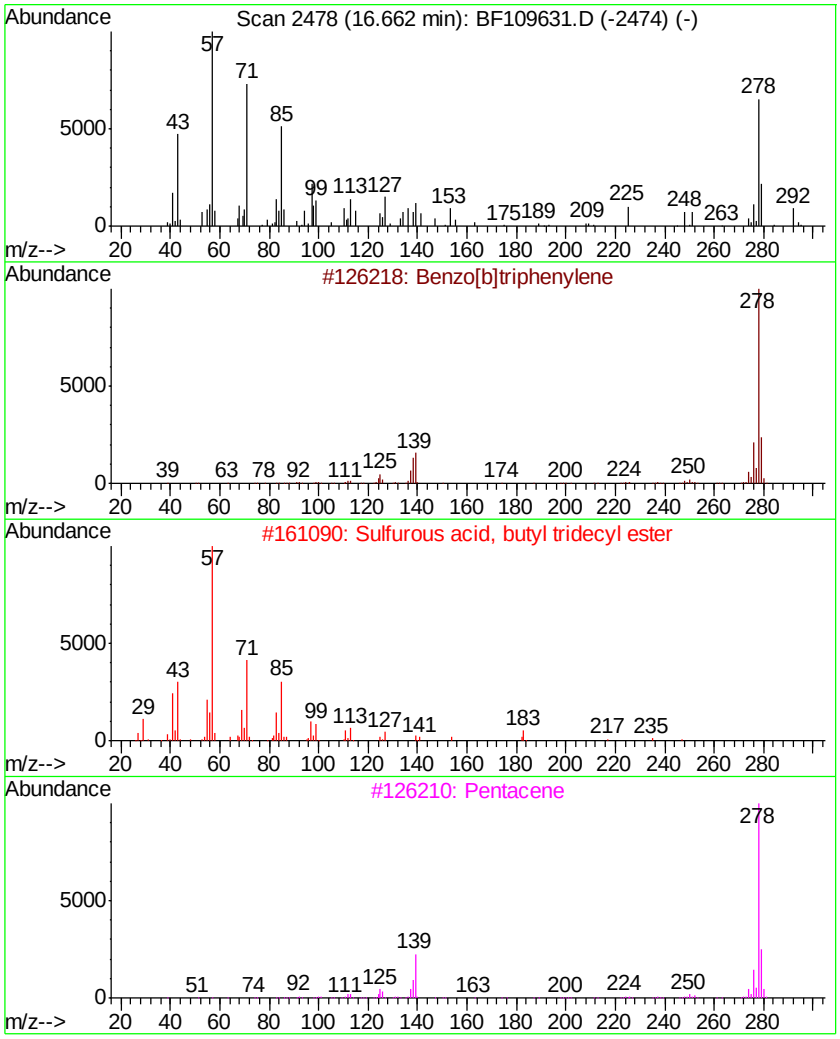
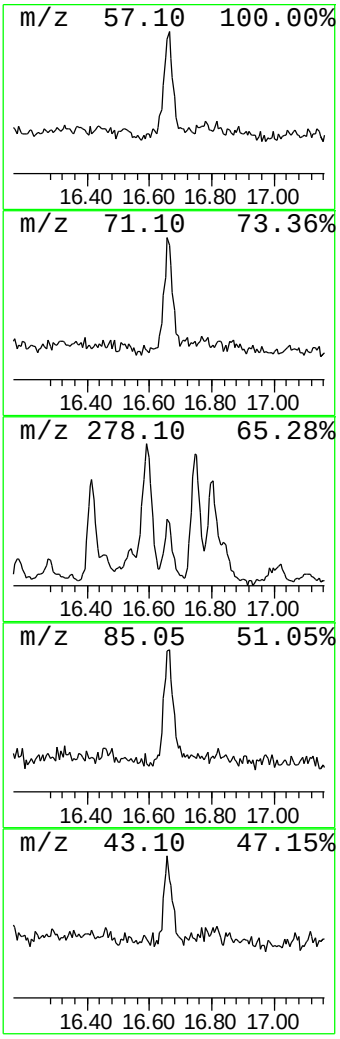
Peak Number 20 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	3.17 ng	69404	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	50
2	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	38
3	Pentacene	278	C22H14	000135-48-8	38
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	35
5	Octadecane	254	C18H38	000593-45-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID11-COMP-100318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.47	6.47	30.7	ng	751867	1	6.70	489786	20.0
5H-Dibenzo[a,d]cy...	11.71	4.0	ng	96364	4	11.21	488518	20.0
n-Hexadecanoic acid	11.75	12.9	ng	314485	4	11.21	488518	20.0
Phenanthrene, 1-m...	11.79	2.9	ng	71053	4	11.21	488518	20.0
4H-Cyclopenta[def...	11.82	7.9	ng	193720	4	11.21	488518	20.0
Phenanthrene, 2-m...	11.84	2.8	ng	67351	4	11.21	488518	20.0
5,16[1',2']:8,13[...	12.00	2.6	ng	64366	4	11.21	488518	20.0
Phenanthrene, 2,5...	12.26	2.9	ng	70463	4	11.21	488518	20.0
unknown12.29	12.29	3.5	ng	86574	4	11.21	488518	20.0
Cyclopenta(def)ph...	12.34	3.4	ng	83076	4	11.21	488518	20.0
11H-Benzo[a]fluor...	13.69	3.9	ng	264206	5	13.84	1350610	20.0
Squalene	14.67	6.1	ng	132663	6	15.24	437294	20.0
Nonadecane	14.92	10.0	ng	218094	6	15.24	437294	20.0
Benzo[e]pyrene	15.12	12.7	ng	276904	6	15.24	437294	20.0
2-methyloctacosane	15.67	8.2	ng	180018	6	15.24	437294	20.0
Triacontane	16.12	5.2	ng	114425	6	15.24	437294	20.0
Benzo[b]triphenylene	16.66	3.2	ng	69404	6	15.24	437294	20.0