LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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	5.022	494	499	506	rVB	105933	135528	5.05%	0.449%
2	5.422	561	567	570	rBV	2640035	2623772	97.85%	8.700%
3	6.063	673	676	682	rVB	45518	55790	2.08%	0.185%
4	6.439	734	740	743	rBV	2532620	2621638	97.77%	8.692%
5	6.575	759	763	767	rBV	2646724	2681428	100.00%	8.891%
6	6.810	799	803	806	rBV	903586	759888	28.34%	2.520%
7	6.963	825	829	833	rBV	2338167	2066238	77.06%	6.851%
8	7.375	893	899	902	rBV	1673391	1622429	60.51%	5.379%
9	7.451	908	912	915	rVB	36380	35181	1.31%	0.117%
10	8.092	1017	1021	1024	rBV	1225773	957832	35.72%	3.176%
11	9.169	1199	1204	1207	rBV	3125835	2620647	97.73%	8.689%
12	9.557	1267	1270	1274	rBV	223051	190086	7.09%	0.630%
13	9.774	1304	1307	1311	rVB	71331	53241	1.99%	0.177%
14	9.845	1315	1319	1323	rBV	1016666	879699	32.81%	2.917%
15	10.045	1349	1353	1358	rVB3	28205	34788	1.30%	0.115%
16	10.251	1385	1388	1390	rBV	31076	31519	1.18%	0.105%
17	10.274	1390	1392	1395	rVB	92343	69086	2.58%	0.229%
18	10.392	1409	1412	1418	rVB	50367	49740	1.85%	0.165%
19	10.498	1425	1430	1433	rBV3	23275	32431	1.21%	0.108%
20	10.633	1448	1453	1457	rBV	1416878	1305559	48.69%	4.329%
21	10.751	1470	1473	1478	rBV2	81472	93442	3.48%	0.310%
22	10.939	1500	1505	1508	rBV3	25959	31916	1.19%	0.106%
23	11.198	1543	1549	1552	rBV2	56144	56905	2.12%	0.189%
24	11.227	1552	1554	1560	rVB	38921	39972	1.49%	0.133%
25	11.333	1569	1572	1574	rBV	841719	710821	26.51%	2.357%
26	11.357	1574	1576	1579	rVV	512901	396677	14.79%	1.315%
27	11.410	1582	1585	1588	rVB	129348	102080	3.81%	0.338%
28	11.563	1605	1611	1615	rBV	50644	60272	2.25%	0.200%
29	11.839	1654	1658	1659	rBV	85376	77327	2.88%	0.256%
30	11.863	1659	1662	1666	rVV2	228272	209470	7.81%	0.695%
31	11.910	1666	1670	1673	rVV2	49114	48474	1.81%	0.161%
32	11.945	1673	1676	1679	rVV2	131727	152102	5.67%	0.504%
33	11.968	1679	1680	1684	rVB	73318	53624	2.00%	0.178%
34	12.039	1684	1692	1695	rBV5	26406	43164	1.61%	0.143%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.133	1704	1708	1710	rBV	54559	46113	1.72%	0.153%
36	12.157	1710	1712	1715	rVB2	42073	36784	1.37%	0.122%
37	12.386	1747	1751	1754	rBV	89529	92840	3.46%	0.308%
38	12.421	1754	1757	1760	rVV2	53502	70314	2.62%	0.233%
39	12.468	1763	1765	1770	rVV3	56037	62250	2.32%	0.206%
40	12.551	1775	1779	1782	rBV	801132	672355	25.07%	2.229%
41	12.780	1811	1818	1821	rBV	729345	759610	28.33%	2.519%
42	12.833	1823	1827	1831	rVB2	40820	63327	2.36%	0.210%
43	12.898	1835	1838	1839	rBV	39669	37365	1.39%	0.124%
44	12.927	1839	1843	1846	rVV	2167903	2014489	75.13%	6.679%
45	12.992	1849	1854	1858	rBV3	67755	108957	4.06%	0.361%
46	13.080	1866	1869	1871	rBV4	51302	60094	2.24%	0.199%
47	13.104	1871	1873	1876	rVB	110238	103490	3.86%	0.343%
48	13.174	1882	1885	1887	rVB	82854	59540	2.22%	0.197%
49	13.210	1887	1891	1894	rBV2	116534	107988	4.03%	0.358%
50	13.304	1904	1907	1909	rBV	73759	57216	2.13%	0.190%
51	13.333	1909	1912	1915	rBV	72915	62469	2.33%	0.207%
52	13.462	1930	1934	1936	rBV	94226	87774	3.27%	0.291%
53	13.615	1957	1960	1964	rVB	75729	85507	3.19%	0.284%
54	13.727	1974	1979	1982	rBV2	77981	113814	4.24%	0.377%
55	13.757	1982	1984	1986	rVV	71819	62622	2.34%	0.208%
56	13.780	1986	1988	1991	rVV2	50961	71982	2.68%	0.239%
57	13.815	1991	1994	2003	rVB3	214894	268753	10.02%	0.891%
58	13.980	2014	2022	2024	rBV3	983141	1492582	55.66%	4.949%
59	14.004	2024	2026	2029	rVB	378516	287331	10.72%	0.953%
60	14.086	2037	2040	2042	rVB	47502	39094	1.46%	0.130%
61	14.333	2080	2082	2084	rBV2	28523	36719	1.37%	0.122%
62	14.368	2085	2088	2091	rVV	107508	103134	3.85%	0.342%
63	14.404	2091	2094	2097	rVB	56926	57515	2.14%	0.191%
64	14.457	2101	2103	2107	rVV2	86232	98514	3.67%	0.327%
65	14.492	2107	2109	2111	rVV	39302	36618	1.37%	0.121%
66	14.833	2165	2167	2170	rBV2	36317	35064	1.31%	0.116%
67	14.904	2177	2179	2181	rBV3	40337	30993	1.16%	0.103%
68	15.015	2194	2198	2202	rBV	254039	401551	14.98%	1.331%
69	15.098	2209	2212	2214	rBV	44436	49135	1.83%	0.163%
70	15.121	2214	2216	2221	rVB2	100008	97601	3.64%	0.324%
71	15.321	2246	2250	2255	rVB	135452	174782	6.52%	0.580%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.380	2256	2260	2265	rVB	210404	266838	9.95%	0.885%
73	15.445	2266	2271	2274	rBV	472541	562765	20.99%	1.866%
74	15.474	2274	2276	2282	rVB2	76689	81589	3.04%	0.271%
75	16.886	2512	2516	2525	rVB2	75655	168628	6.29%	0.559%
76	17.327	2585	2591	2595	rBV2	61342	131122	4.89%	0.435%

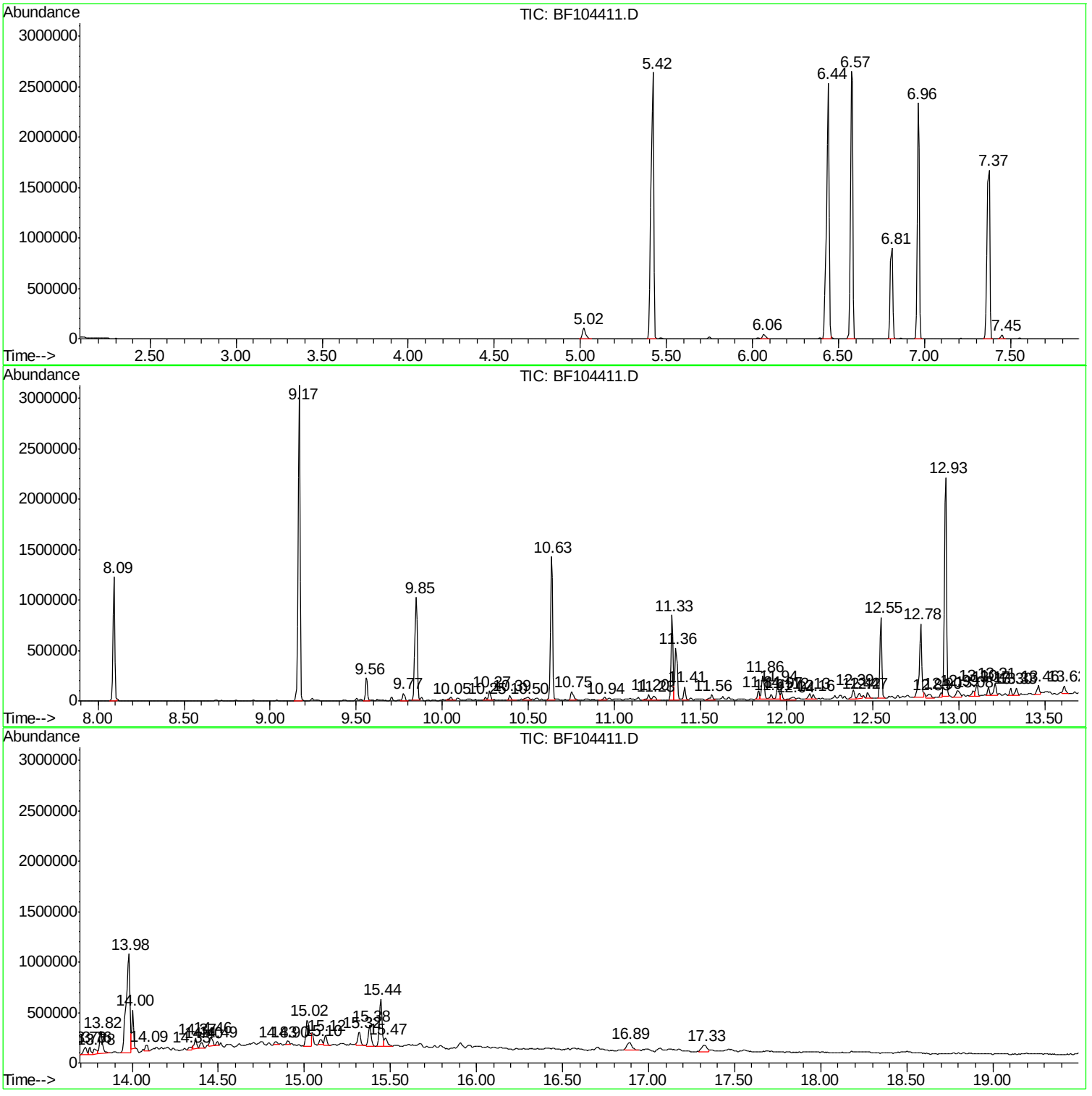
Sum of corrected areas: 30159994

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

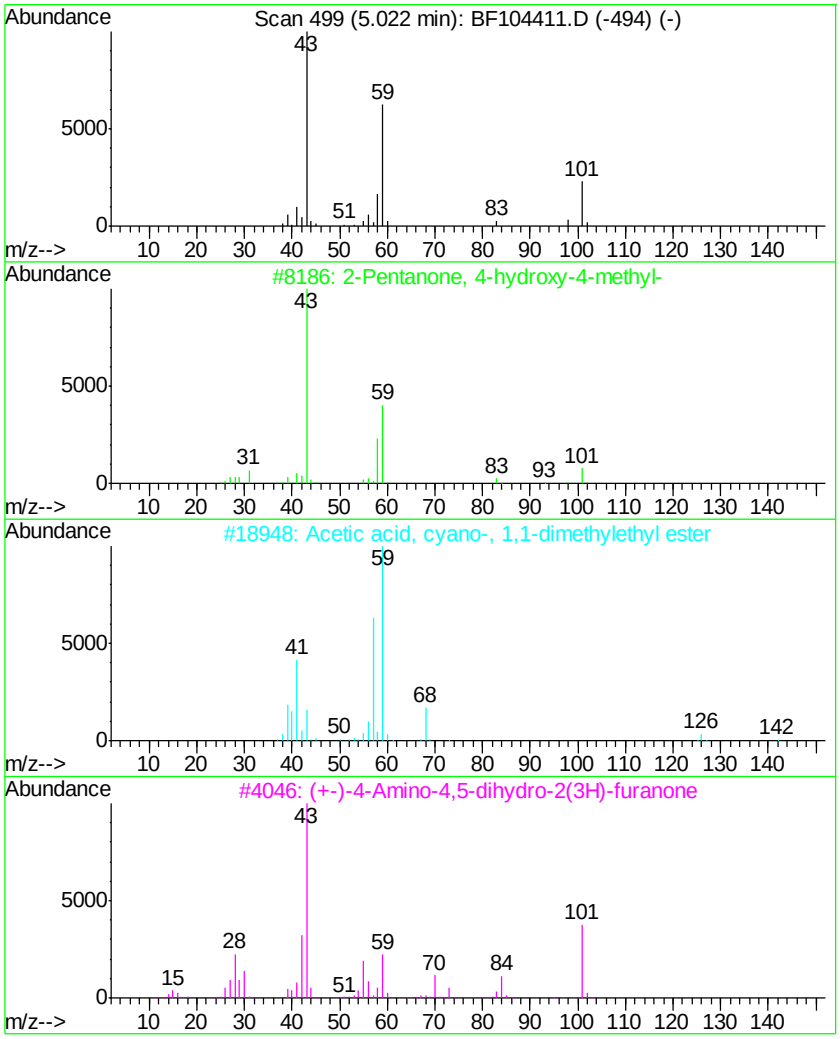
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

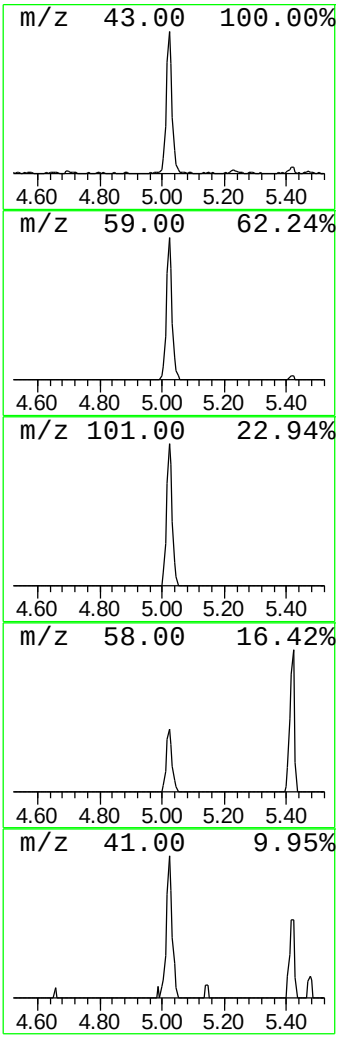
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	3.57 ng	135528	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

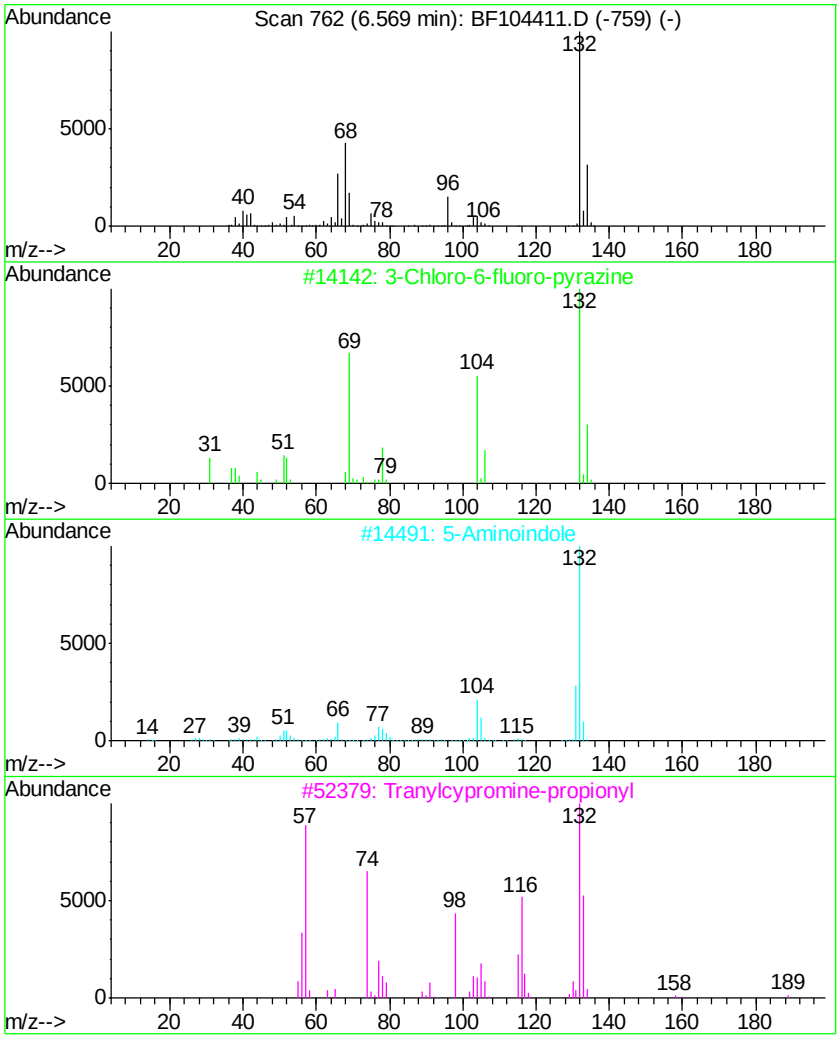
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

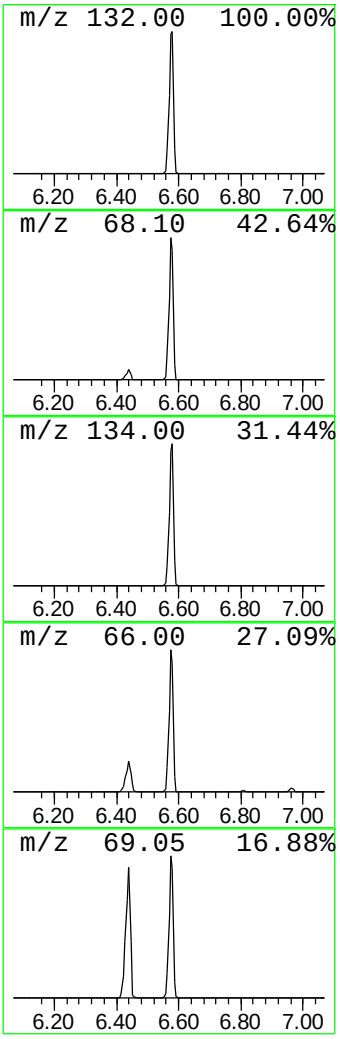
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	70.57 ng	2681430	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

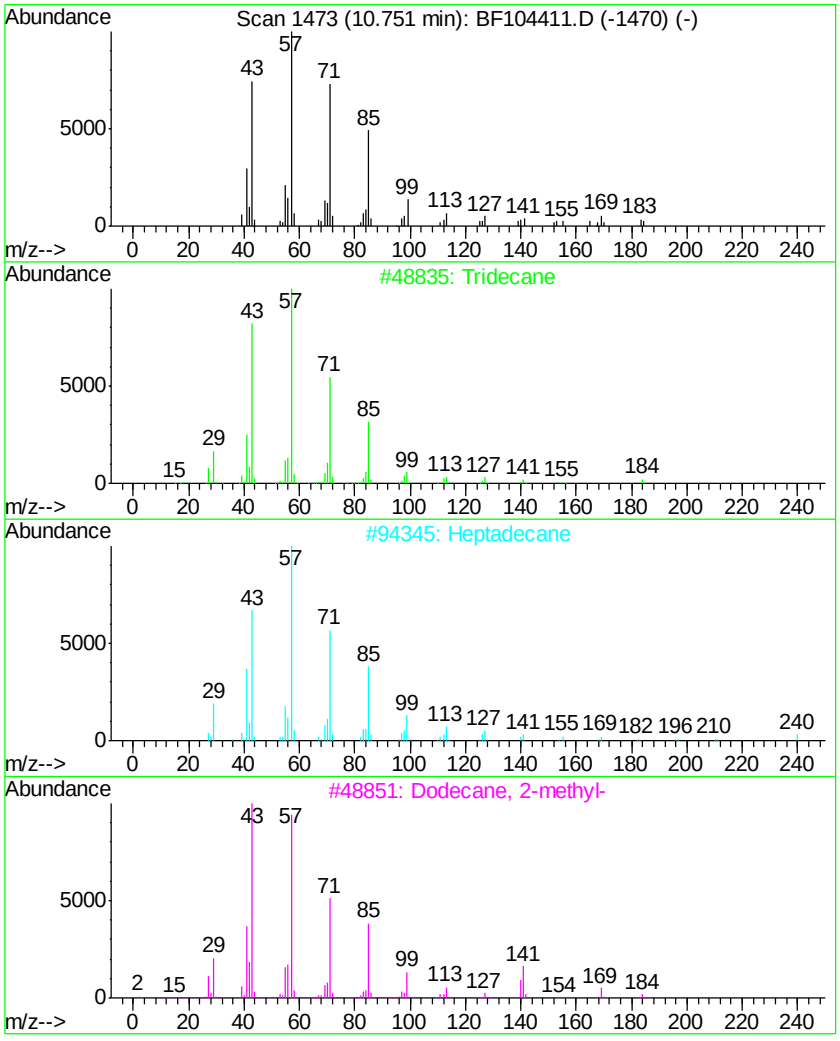
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

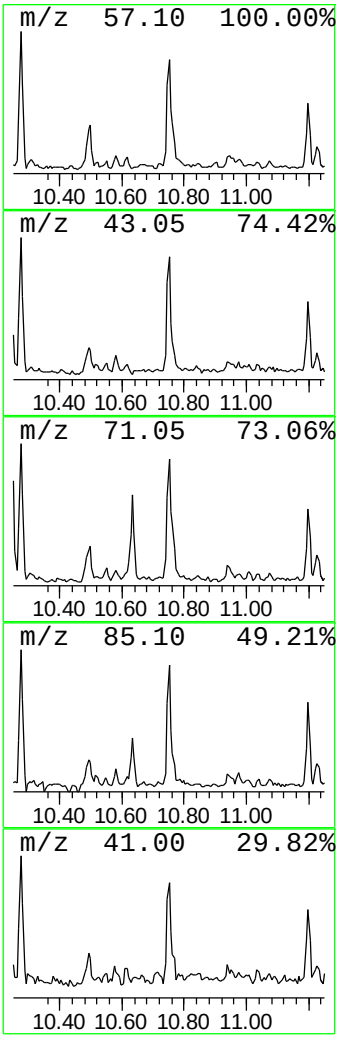
****

Peak Number 4 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	2.63 ng	93442	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Heptadecane	240	C17H36	000629-78-7	91
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Dodecane	170	C12H26	000112-40-3	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

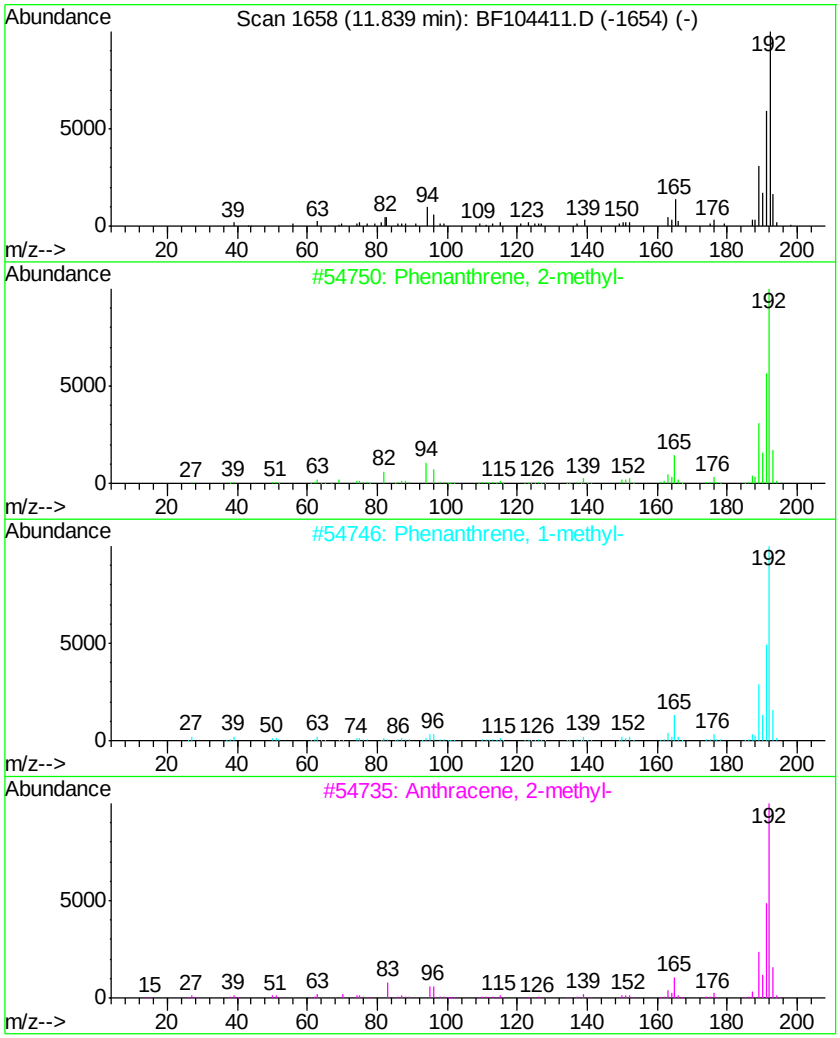
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

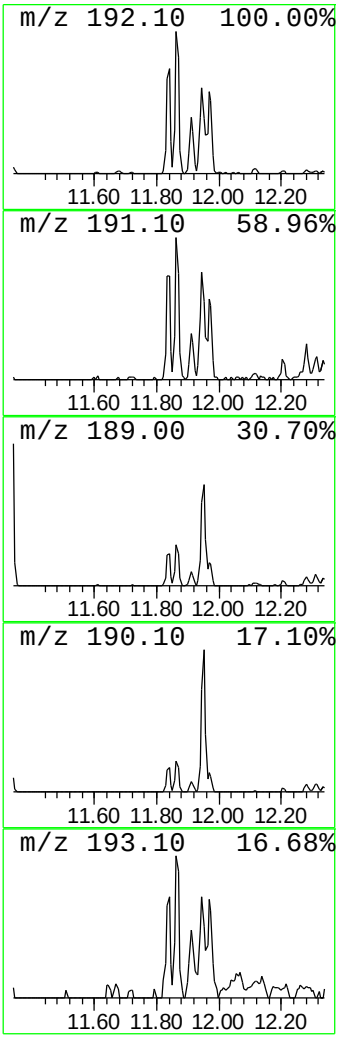
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.18 ng	77327	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

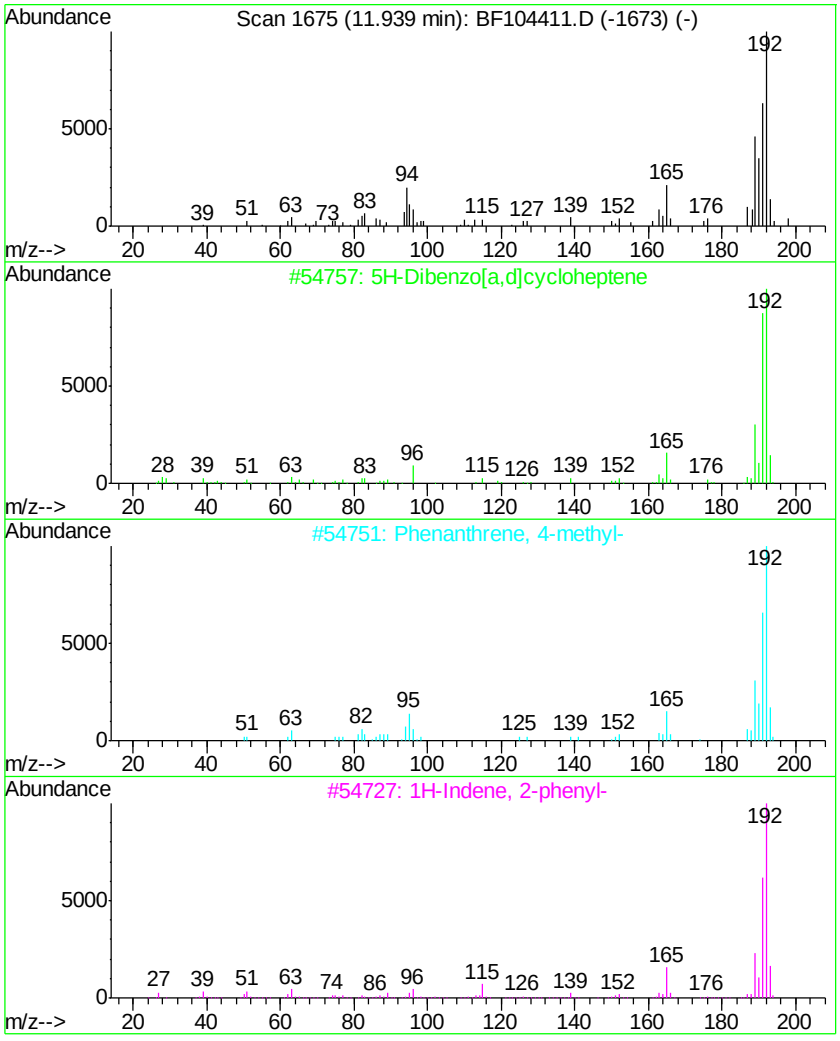
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

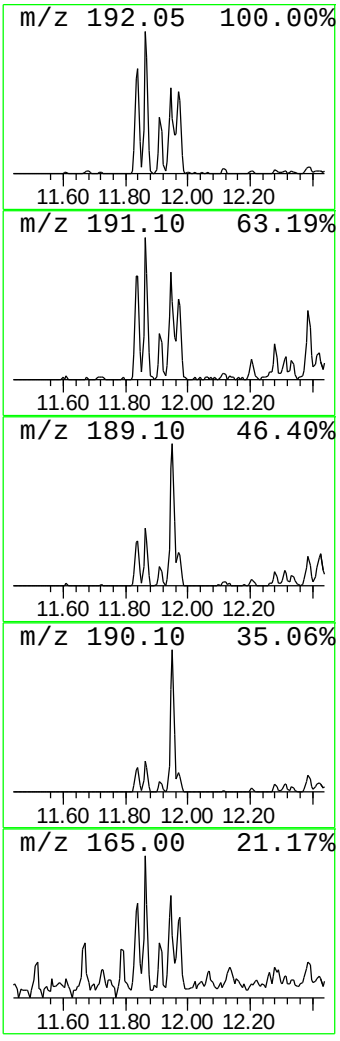
****

Peak Number 7 5H-Dibenzo[a,d]cycloheptene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	4.28 ng	152102	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

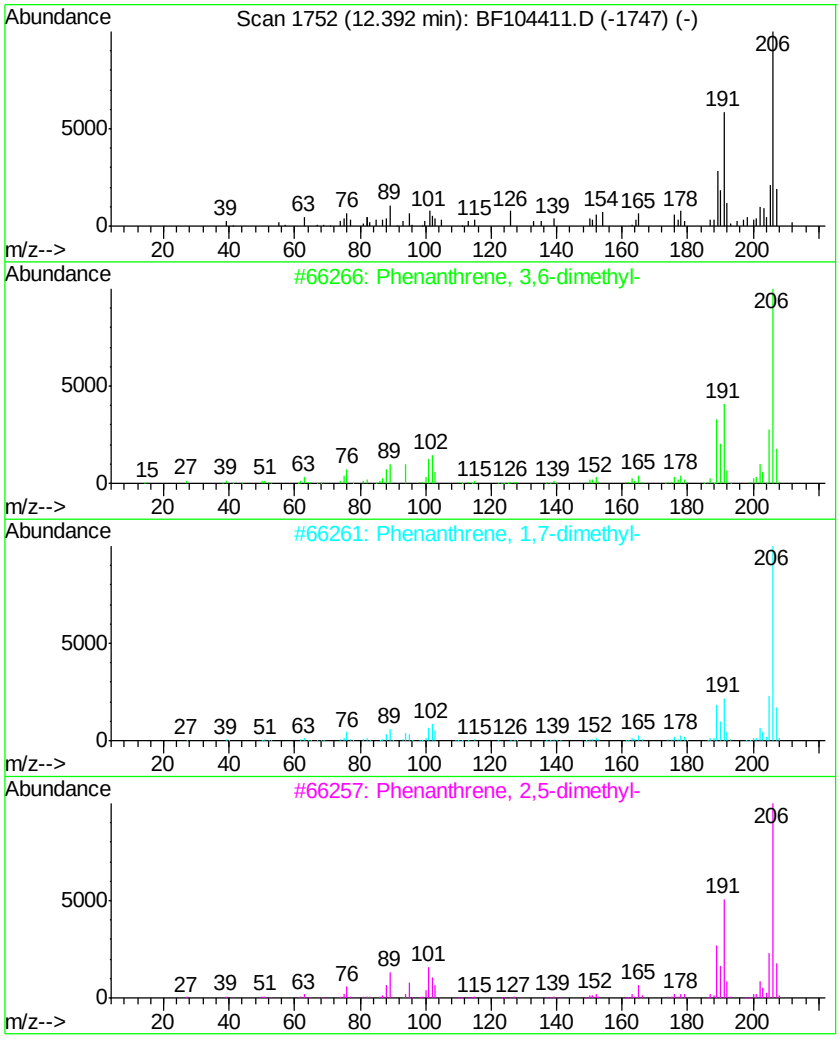
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

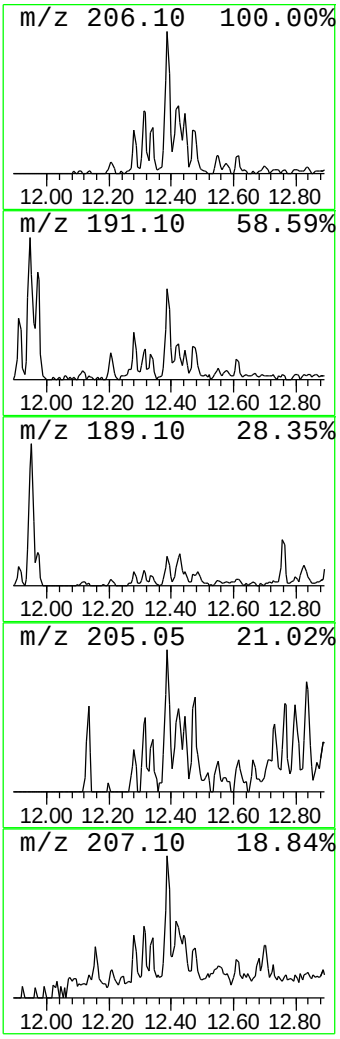
****

Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.61 ng	92840	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

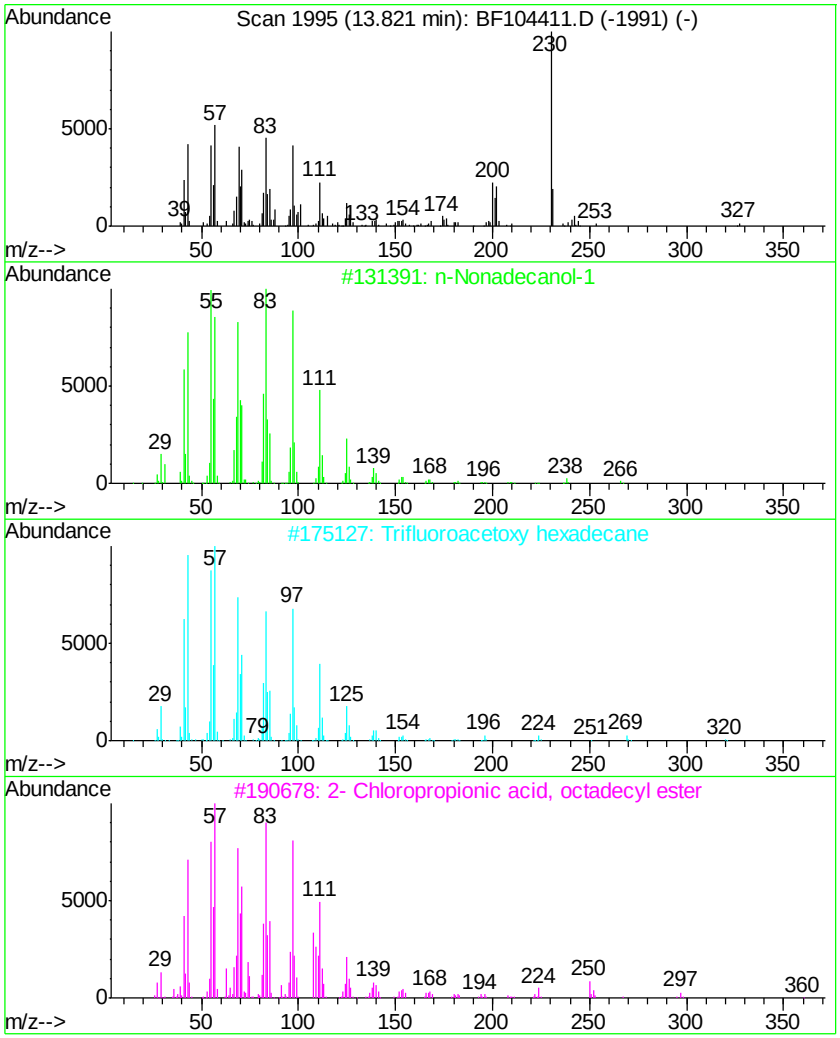
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

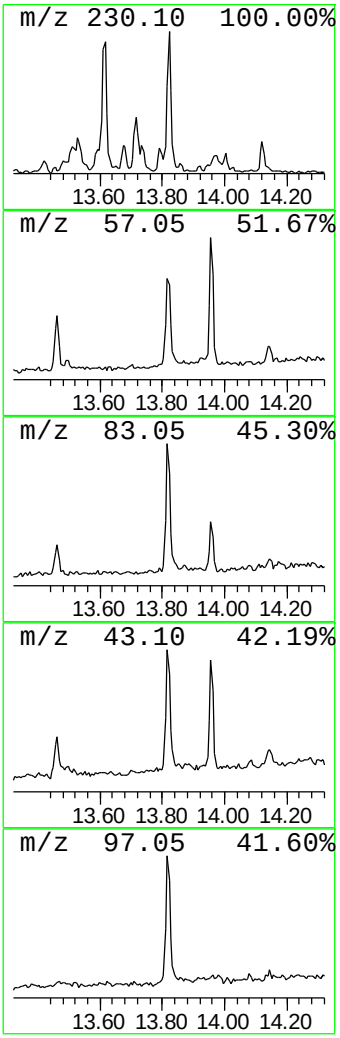
****

Peak Number 9 n-Nonadecanol-1 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.60 ng	268753	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	86
4	1-Heneicosanol	312	C21H44O	015594-90-8	86
5	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

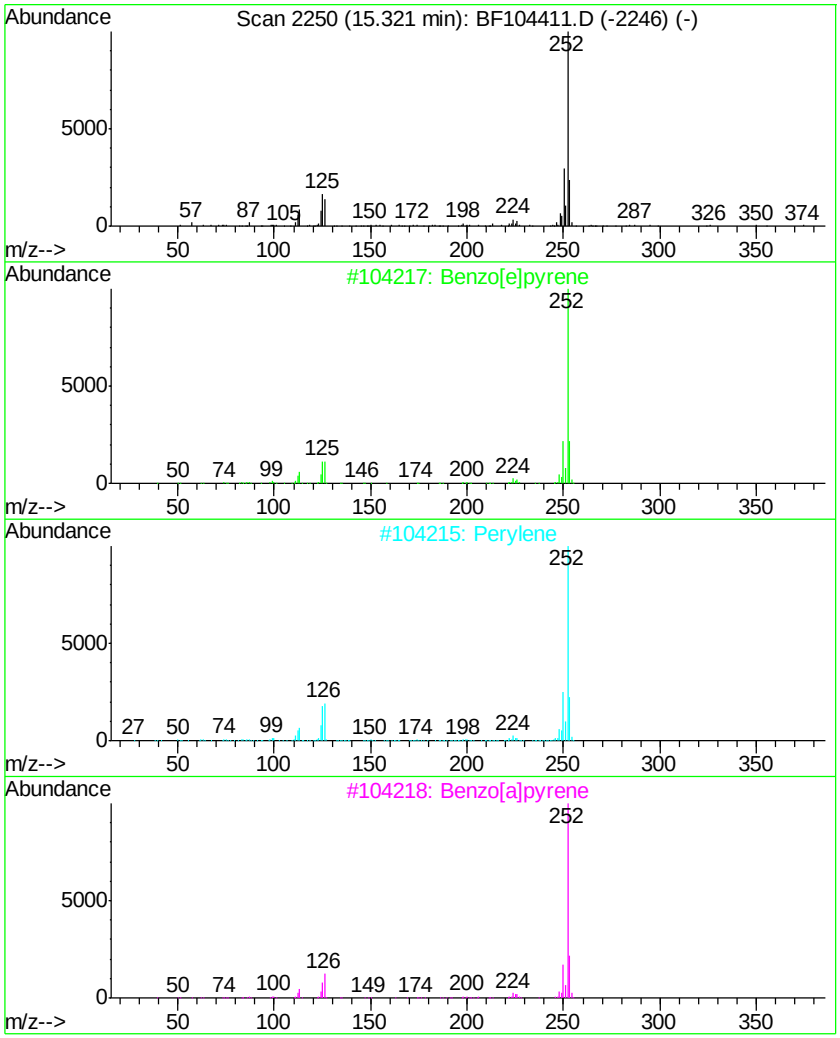
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

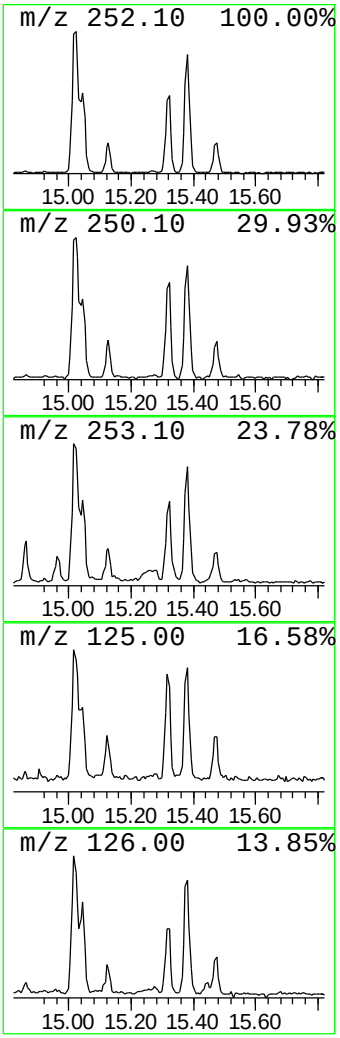
****

Peak Number 11 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	6.21 ng	174782	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
Data File : BF104411.D
Acq On : 10 Apr 2018 16:20
Operator : JU/SJ
Sample : J2302-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT4235-RT3407

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
2-Pentanone, 4-hy...	5.02	3.6	ng	135528	1	6.81	759888	20.0
unknown6.57	6.57	70.6	ng	2681430	1	6.81	759888	20.0
Tridecane	10.75	2.6	ng	93442	4	11.33	710821	20.0
Phenanthrene, 2-m...	11.84	2.2	ng	77327	4	11.33	710821	20.0
5H-Dibenzo[a,d]cy...	11.94	4.3	ng	152102	4	11.33	710821	20.0
Phenanthrene, 3,6...	12.39	2.6	ng	92840	4	11.33	710821	20.0
n-Nonadecanol-1	13.82	3.6	ng	268753	5	13.98	1492580	20.0
Benzo[e]pyrene	15.32	6.2	ng	174782	6	15.44	562765	20.0