LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

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-BF071317.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	4.681	455	458	464	rBV	78717	90235	8.34%	0.452%
2	5.145	534	537	550	rBV	745563	828968	76.62%	4.152%
3	5.986	672	680	683	rBV	28109	41656	3.85%	0.209%
4	6.204	713	717	726	rVB	963857	860651	79.55%	4.311%
5	6.281	726	730	732	rBV2	28655	34760	3.21%	0.174%
6	6.316	732	736	740	rVB	870783	780288	72.12%	3.908%
7	6.486	758	765	769	rVV6	16104	35225	3.26%	0.176%
8	6.539	770	774	778	rVV	1004532	854474	78.97%	4.280%
9	6.692	793	800	805	rVV	784048	733997	67.84%	3.677%
10	7.104	860	870	873	rBV	526633	533866	49.34%	2.674%
11	7.263	891	897	903	rVB5	22236	42933	3.97%	0.215%
12	7.345	908	911	917	rVB3	45450	49659	4.59%	0.249%
13	7.451	924	929	933	rBV3	52399	74118	6.85%	0.371%
14	7.792	981	987	988	rBV2	30843	37186	3.44%	0.186%
15	7.822	988	992	996	rBV	1188328	1032100	95.39%	5.170%
16	7.910	1004	1007	1009	rVB	91684	71148	6.58%	0.356%
17	8.128	1037	1044	1046	rBV3	46515	65278	6.03%	0.327%
18	8.269	1064	1068	1076	rVB	128392	152671	14.11%	0.765%
19	8.475	1100	1103	1105	rVV4	24333	34977	3.23%	0.175%
20	8.533	1108	1113	1116	rVB4	60654	90449	8.36%	0.453%
21	8.633	1127	1130	1137	rBV4	48590	78432	7.25%	0.393%
22	8.698	1137	1141	1145	rBV5	21095	41183	3.81%	0.206%
23	8.745	1145	1149	1152	rVB	63633	63048	5.83%	0.316%
24	8.863	1167	1169	1171	rVV	125612	96422	8.91%	0.483%
25	8.898	1171	1175	1178	rVB	1048321	838428	77.49%	4.200%
26	9.010	1188	1194	1196	rBV2	56298	65045	6.01%	0.326%
27	9.110	1207	1211	1214	rVB4	26815	42175	3.90%	0.211%
28	9.163	1214	1220	1222	rBV6	43503	69578	6.43%	0.349%
29	9.233	1230	1232	1235	rBV3	34981	36957	3.42%	0.185%
30	9.316	1241	1246	1249	rBV2	187893	206528	19.09%	1.034%
31	9.345	1249	1251	1257	rVB4	38016	41477	3.83%	0.208%
32	9.427	1262	1265	1268	rBV2	40339	35265	3.26%	0.177%
33	9.569	1284	1289	1293	rVV2	1176954	1081963	100.00%	5.420%
34	9.598	1293	1294	1297	rVB	62456	43803	4.05%	0.219%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

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-BF071317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.774	1322	1324	1329	rVV2	33665	51480	4.76%	0.258%
36	9.845	1333	1336	1340	rVB2	57516	49132	4.54%	0.246%
37	9.969	1355	1357	1360	rVV2	37153	33398	3.09%	0.167%
38	9.998	1360	1362	1364	rBV	79342	62391	5.77%	0.313%
39	10.063	1370	1373	1376	rBV3	21044	32724	3.02%	0.164%
40	10.116	1379	1382	1384	rBV2	65059	60039	5.55%	0.301%
41	10.245	1399	1404	1407	rBV	143596	157447	14.55%	0.789%
42	10.274	1407	1409	1415	rVB4	31401	40323	3.73%	0.202%
43	10.351	1419	1422	1426	rBV	475990	465791	43.05%	2.333%
44	10.510	1443	1449	1452	rVB	194807	214864	19.86%	1.076%
45	10.857	1505	1508	1513	rVB3	35574	44469	4.11%	0.223%
46	10.904	1513	1516	1518	rBV3	39402	41407	3.83%	0.207%
47	10.939	1520	1522	1524	rVV	44785	38111	3.52%	0.191%
48	10.969	1524	1527	1530	rVV	116146	112937	10.44%	0.566%
49	11.045	1534	1540	1542	rBV	1075355	969710	89.63%	4.857%
50	11.069	1542	1544	1548	rVV	709147	558483	51.62%	2.797%
51	11.121	1550	1553	1557	rVB	117955	112277	10.38%	0.562%
52	11.280	1578	1580	1583	rVV	56065	54865	5.07%	0.275%
53	11.316	1584	1586	1589	rVV	57308	60785	5.62%	0.304%
54	11.545	1622	1625	1628	rBV	115577	110055	10.17%	0.551%
55	11.574	1628	1630	1632	rVV	125482	97426	9.00%	0.488%
56	11.598	1632	1634	1636	rVV2	54024	54262	5.02%	0.272%
57	11.621	1636	1638	1641	rVV	47598	61615	5.69%	0.309%
58	11.651	1641	1643	1646	rVV	135821	155475	14.37%	0.779%
59	11.680	1646	1648	1652	rVB2	79689	78164	7.22%	0.392%
60	11.745	1657	1659	1663	rVV2	56769	69015	6.38%	0.346%
61	11.792	1664	1667	1671	rVV5	41109	62151	5.74%	0.311%
62	11.839	1671	1675	1678	rVV2	96055	142757	13.19%	0.715%
63	11.868	1678	1680	1682	rVV	63242	56212	5.20%	0.282%
64	11.898	1683	1685	1690	rVB4	46092	55696	5.15%	0.279%
65	11.992	1698	1701	1704	rBV2	85319	73201	6.77%	0.367%
66	12.068	1712	1714	1716	rBV2	32179	32210	2.98%	0.161%
67	12.092	1716	1718	1721	rVB2	48599	43675	4.04%	0.219%
68	12.174	1730	1732	1738	rVB3	62209	71025	6.56%	0.356%
69	12.251	1741	1745	1751	rVB	1023321	873326	80.72%	4.374%
70	12.298	1751	1753	1758	rBV5	35188	52549	4.86%	0.263%
71	12.380	1764	1767	1769	rBV2	68303	83901	7.75%	0.420%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

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-BF071317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.474	1778	1783	1786	rVB	816690	830443	76.75%	4.160%
73	12.527	1790	1792	1794	rBV2	43483	35103	3.24%	0.176%
74	12.598	1801	1804	1806	rBV	63083	61079	5.65%	0.306%
75	12.627	1806	1809	1816	rVB	723541	671324	62.05%	3.363%
76	12.704	1818	1822	1824	rVB4	41184	57770	5.34%	0.289%
77	12.786	1833	1836	1837	rVV3	46841	52800	4.88%	0.264%
78	12.804	1837	1839	1843	rVB	76141	76863	7.10%	0.385%
79	12.910	1854	1857	1864	rVB3	90224	121556	11.23%	0.609%
80	12.998	1870	1872	1875	rVB	42850	37540	3.47%	0.188%
81	13.027	1875	1877	1882	rBV4	45639	52770	4.88%	0.264%
82	13.315	1923	1926	1930	rVB	55254	54648	5.05%	0.274%
83	13.415	1941	1943	1946	rBV	49227	50324	4.65%	0.252%
84	13.445	1946	1948	1950	rVB2	64706	54962	5.08%	0.275%
85	13.474	1950	1953	1954	rBV	41270	42974	3.97%	0.215%
86	13.521	1959	1961	1963	rBV	55464	46878	4.33%	0.235%
87	13.668	1981	1986	1989	rBV2	750125	945140	87.35%	4.734%
88	13.692	1989	1990	2000	rVB	278378	316430	29.25%	1.585%
89	13.774	2001	2004	2008	rBV	35070	32347	2.99%	0.162%
90	14.057	2050	2052	2055	rVB	52809	38988	3.60%	0.195%
91	14.592	2139	2143	2150	rBV9	26855	70236	6.49%	0.352%
92	14.662	2151	2155	2158	rBV	255503	351476	32.49%	1.761%
93	14.756	2168	2171	2175	rVB	61084	61756	5.71%	0.309%
94	14.921	2196	2199	2204	rVB	129898	142460	13.17%	0.714%
95	14.974	2204	2208	2213	rVB	199669	235204	21.74%	1.178%
96	15.033	2213	2218	2221	rBV	482806	602393	55.68%	3.017%
97	15.868	2358	2360	2366	rBV4	22629	36378	3.36%	0.182%
98	16.286	2426	2431	2439	rVB2	103038	188460	17.42%	0.944%
99	16.656	2489	2494	2501	rVB	76267	140876	13.02%	0.706%
100	18.550	2813	2816	2823	rVB7	16550	36719	3.39%	0.184%

Sum of corrected areas: 19964188

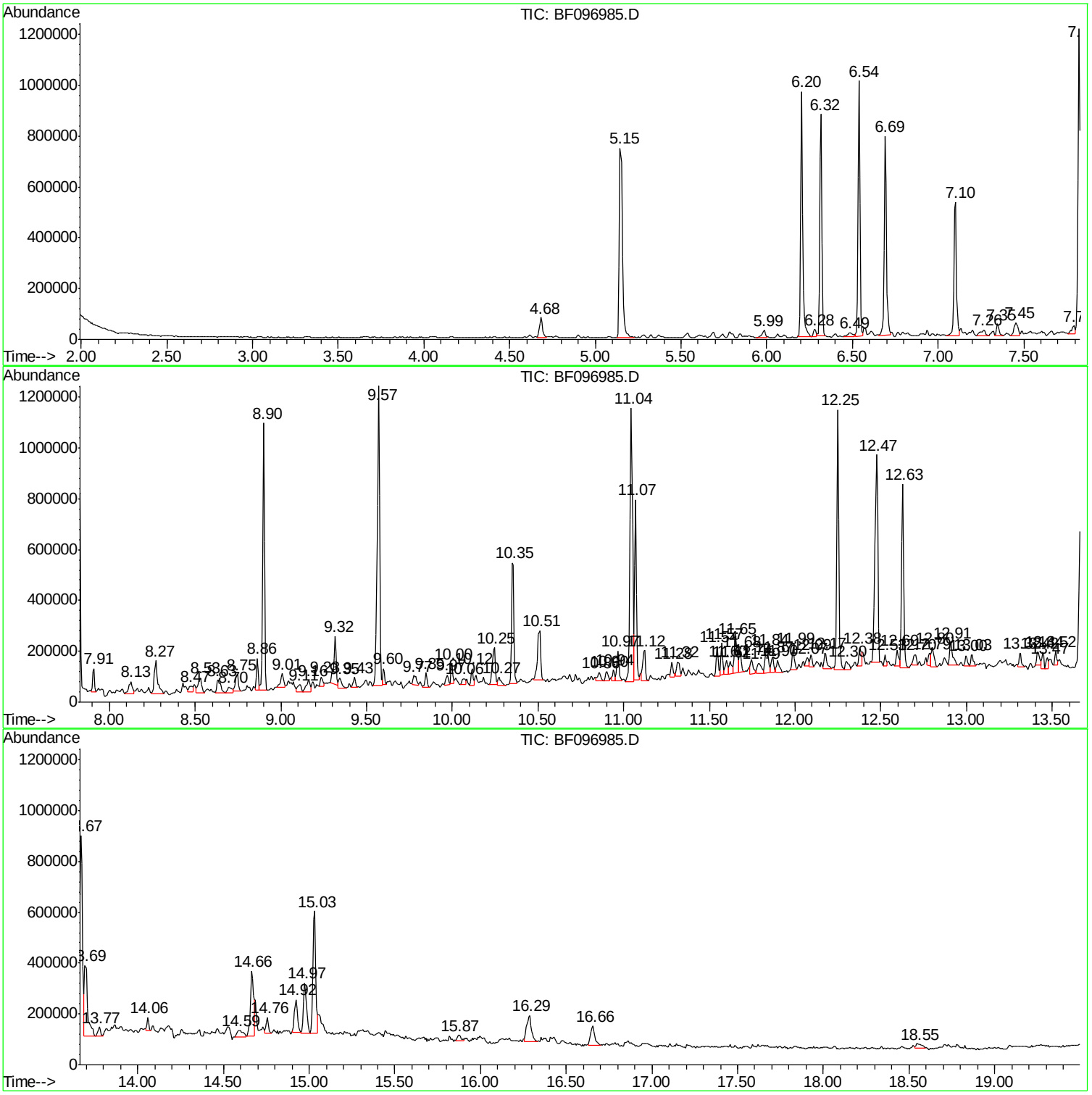
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

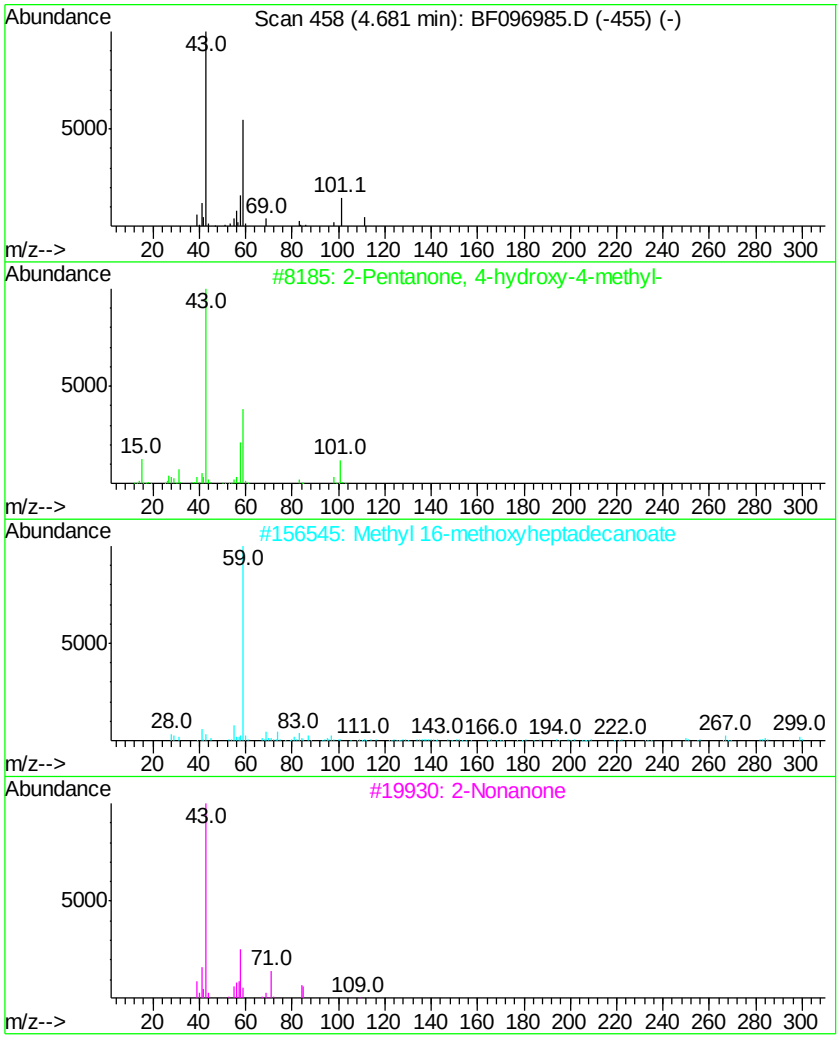
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

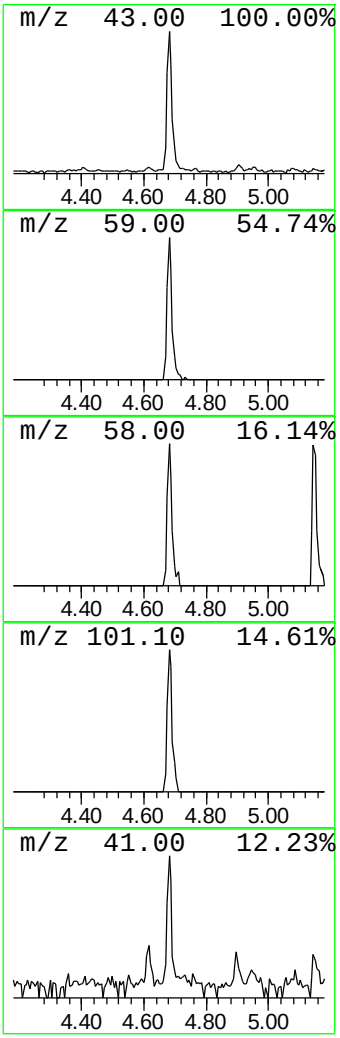
****

Peak Number 1 unknown4.68 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	2.11 ng	90235	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Methyl 16-methoxyheptadecanoate	314	C19H38O3	1000110-18-2	23
3	2-Nonanone	142	C9H18O	000821-55-6	10
4	5-Oxohexanenitrile	111	C6H9NO	010412-98-3	9
5	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

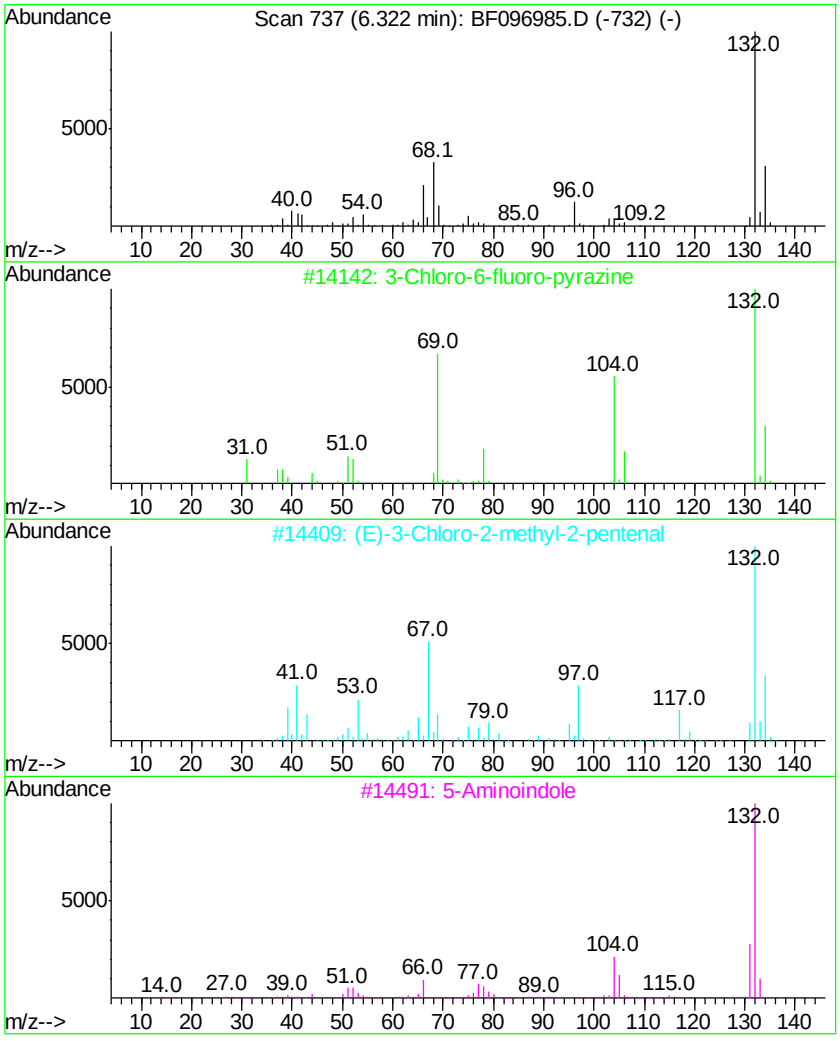
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

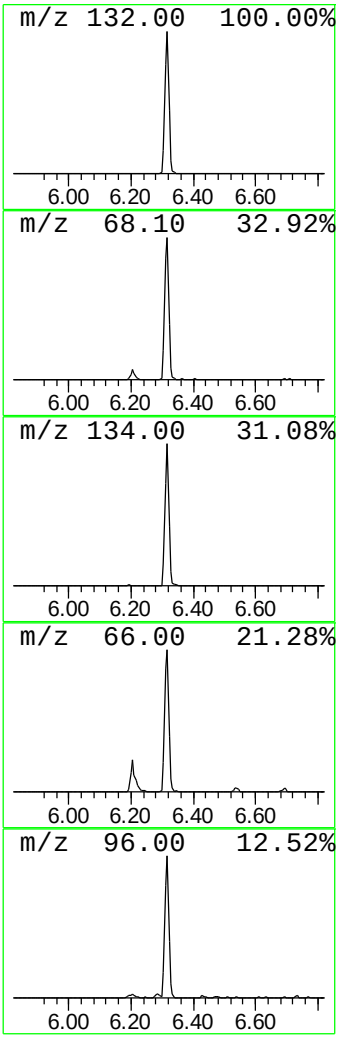
****

Peak Number 2 unknown6.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	18.26 ng	780288	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

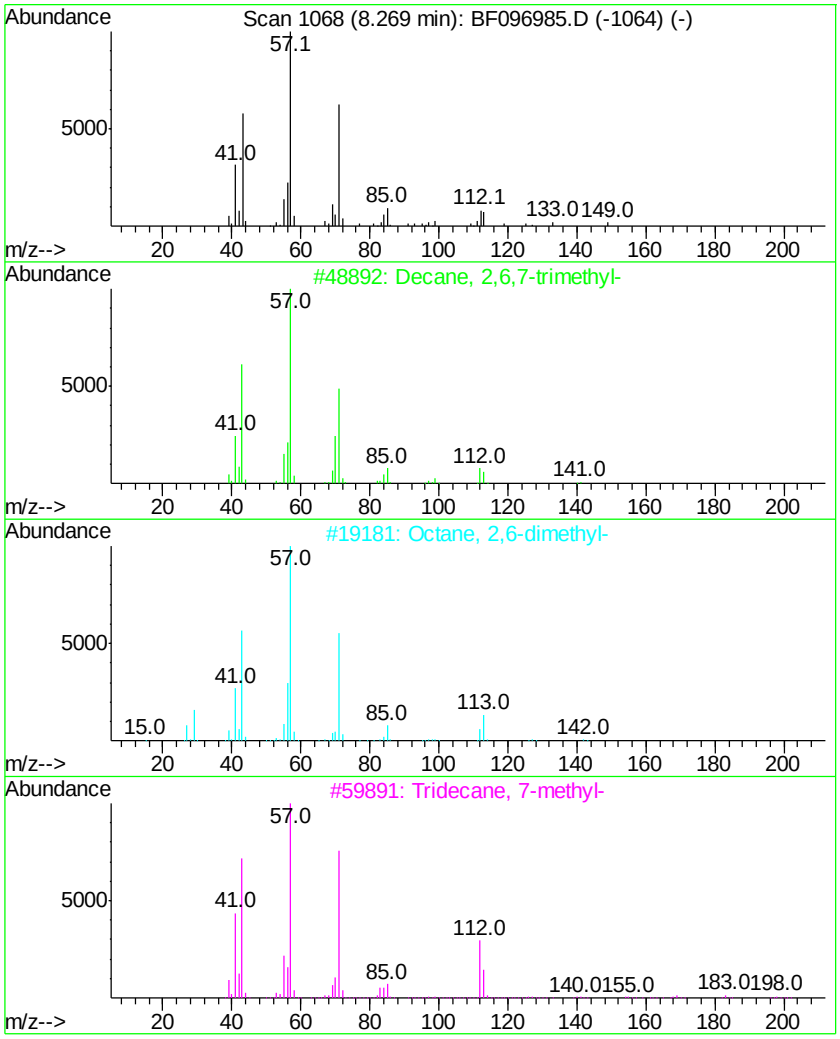
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

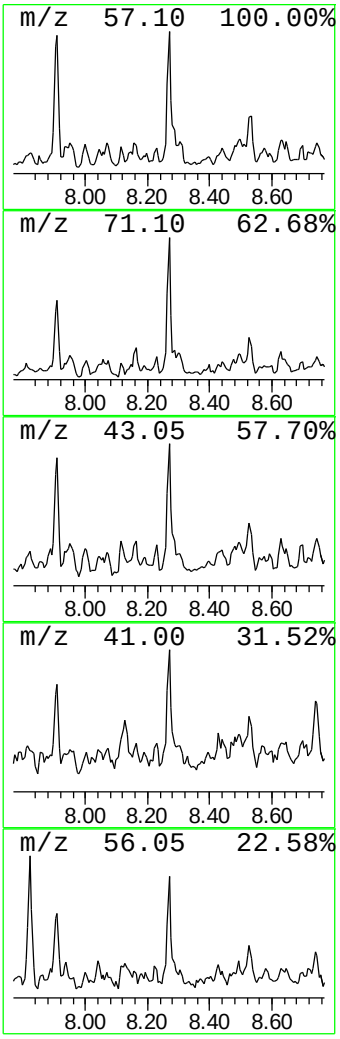
****

Peak Number 4 Decane, 2,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	2.96 ng	152671	Naphthalene-d8	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	83
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	78
4	Heneicosane	296	C21H44	000629-94-7	72
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

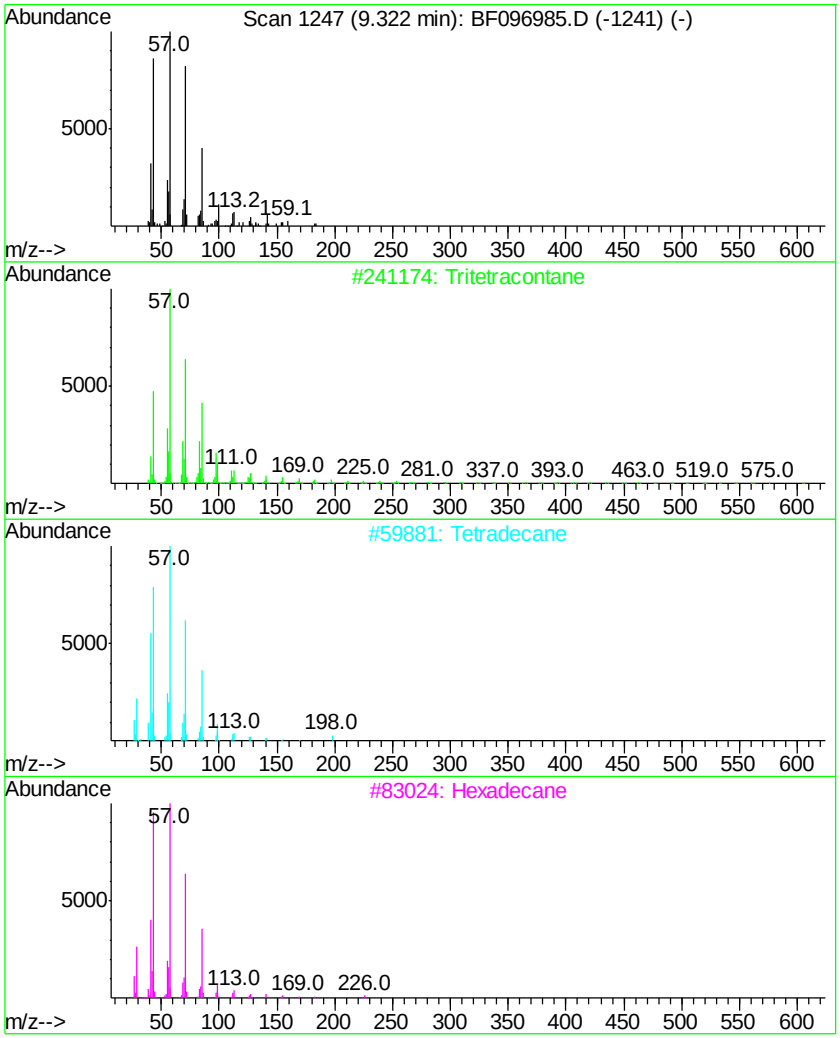
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

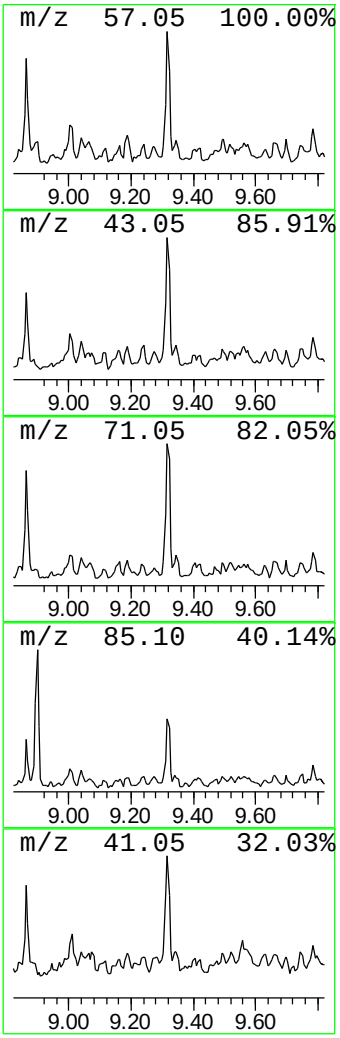
****

Peak Number 5 Tritetracontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	3.82 ng	206528	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	59
2	Tetradecane	198	C14H30	000629-59-4	52
3	Hexadecane	226	C16H34	000544-76-3	52
4	Tridecane	184	C13H28	000629-50-5	50
5	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

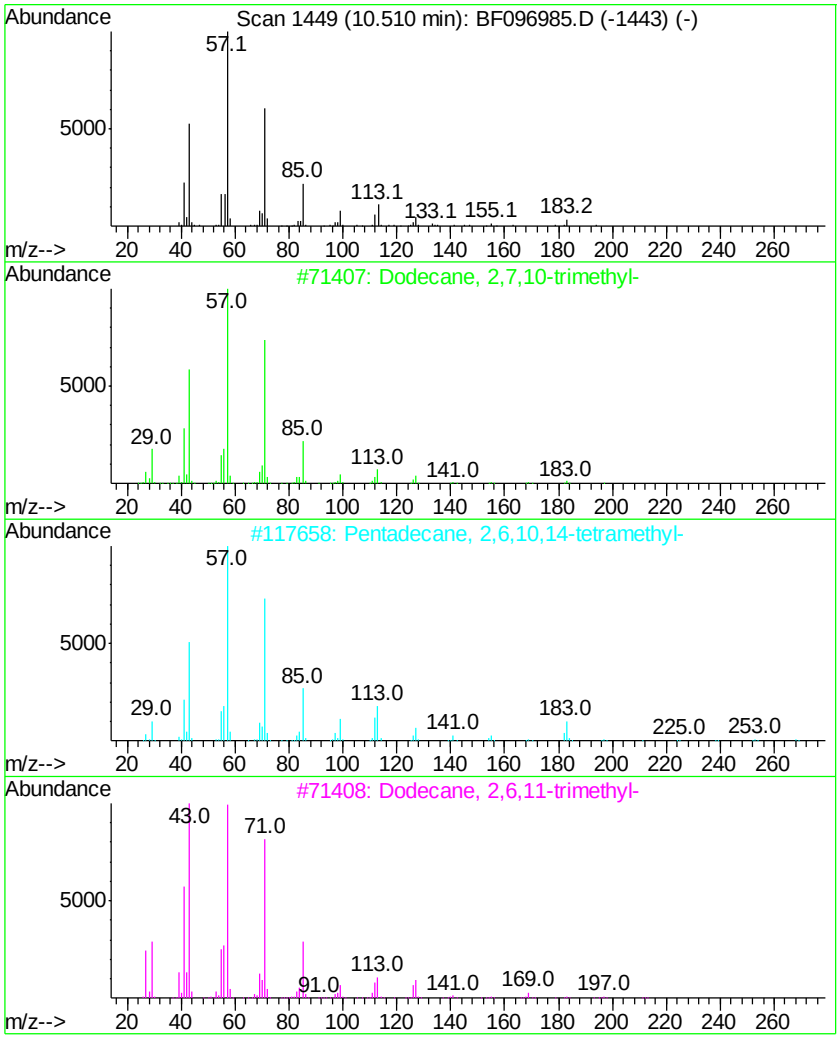
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

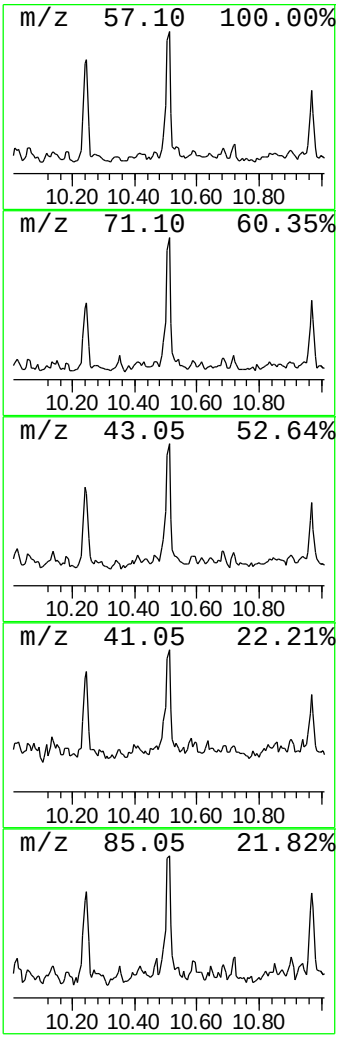
****

Peak Number 7 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	4.43 ng	214864	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72
5	5,5-Dibutylnonane	240	C17H36	006008-17-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

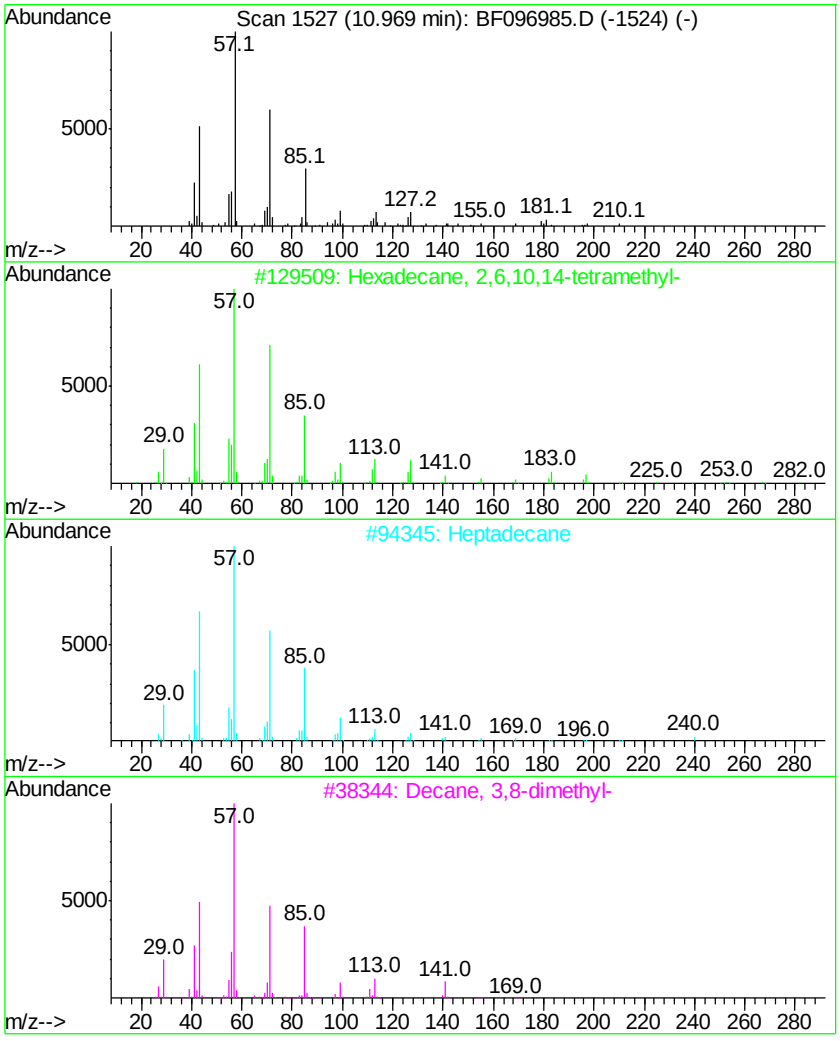
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

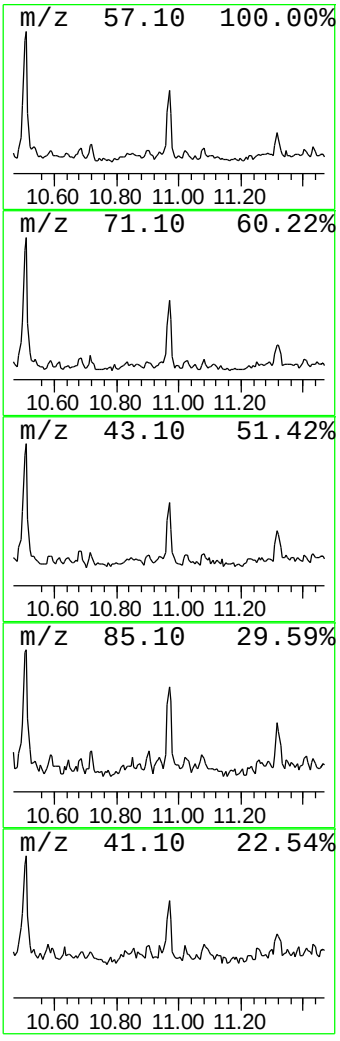
****

Peak Number 8 Hexadecane, 2,6,10,14-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	2.33 ng	112937	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
2	Heptadecane	240	C17H36	000629-78-7	78
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53





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Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

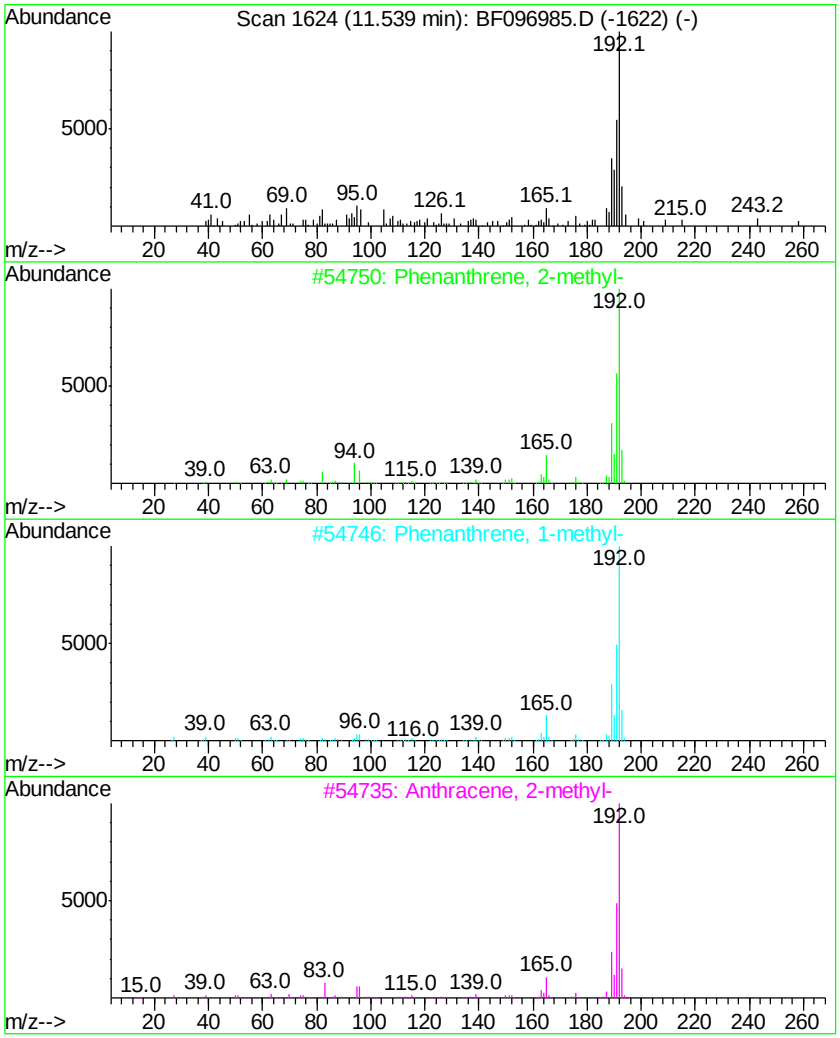
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

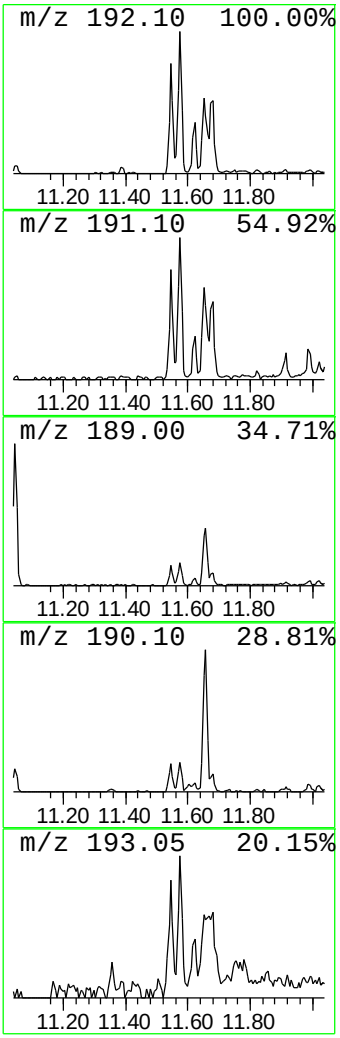
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	2.27 ng	110055	Phenanthrene-d10	11.05

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

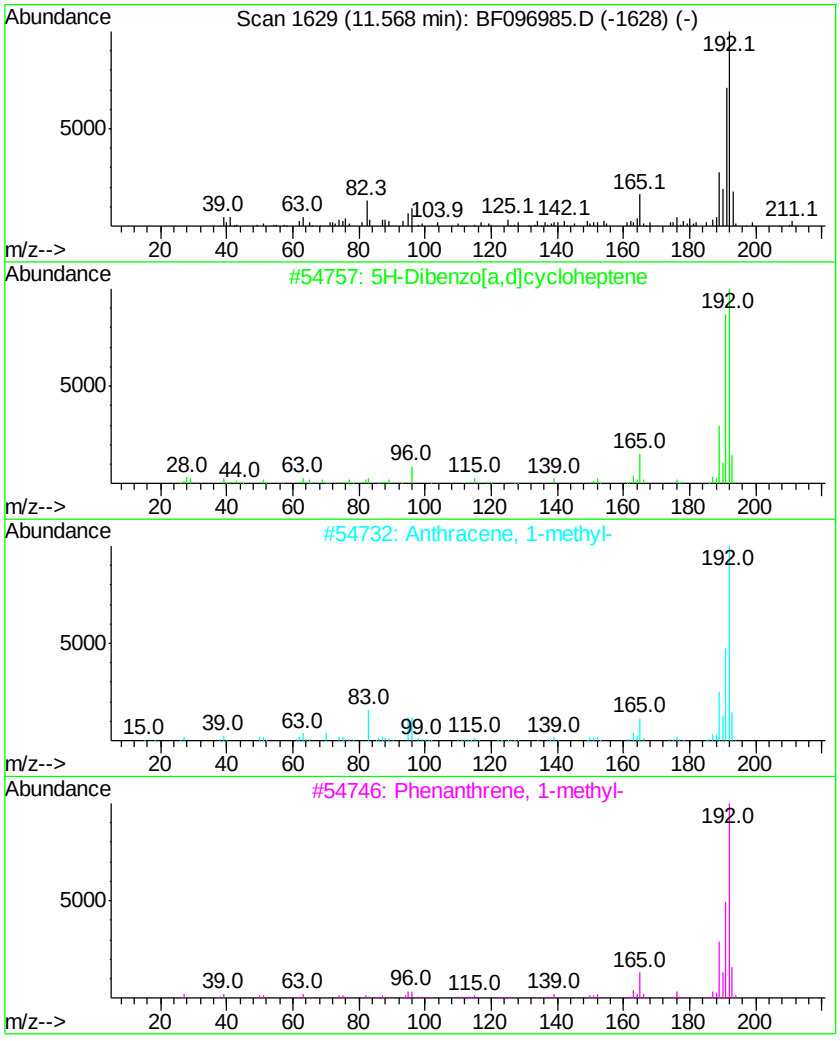
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

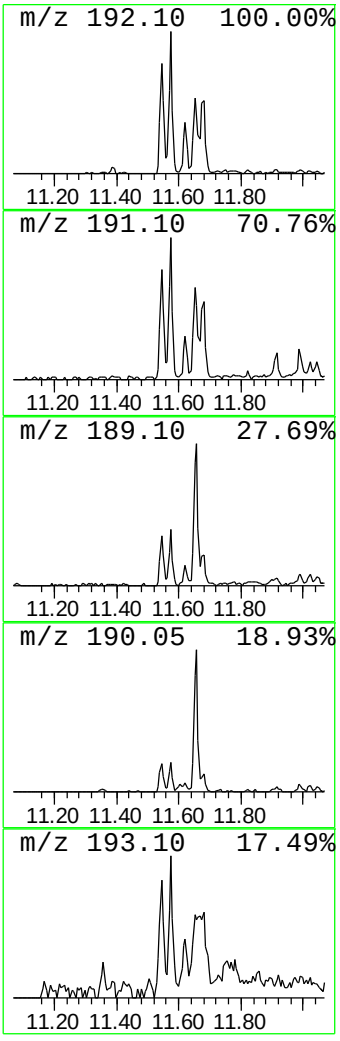
****

Peak Number 10 5H-Dibenzo[a,d]cycloheptene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	2.01 ng	97426	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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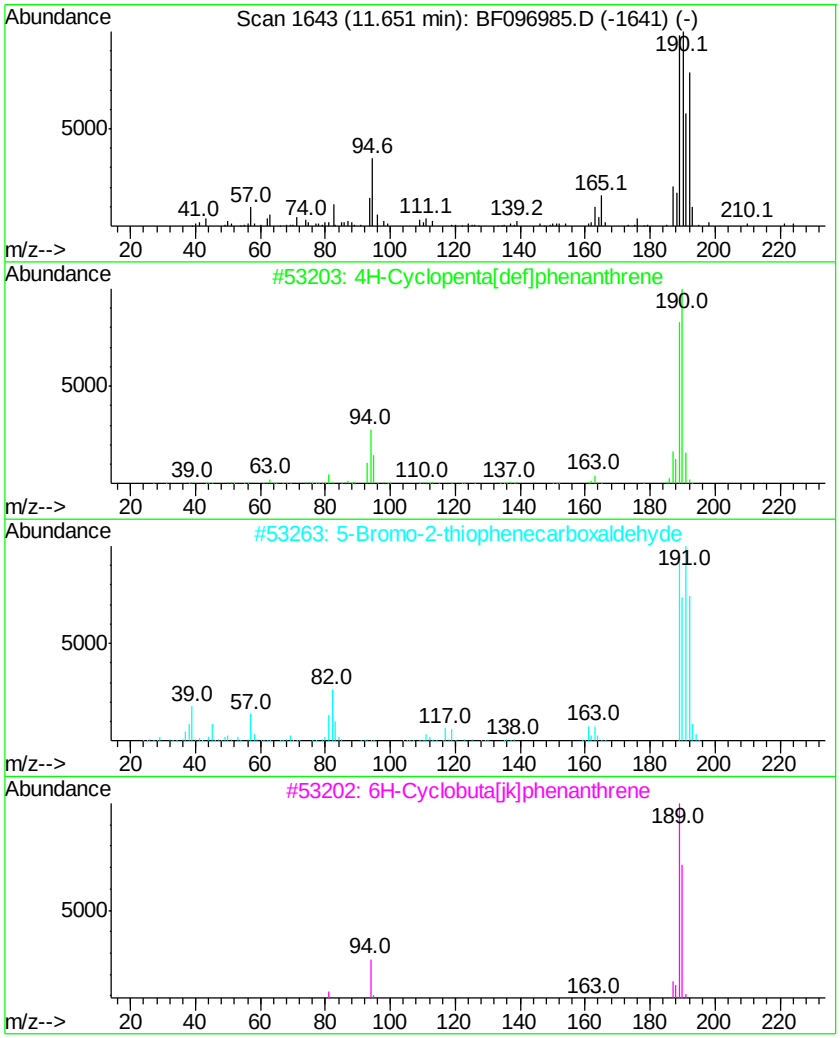
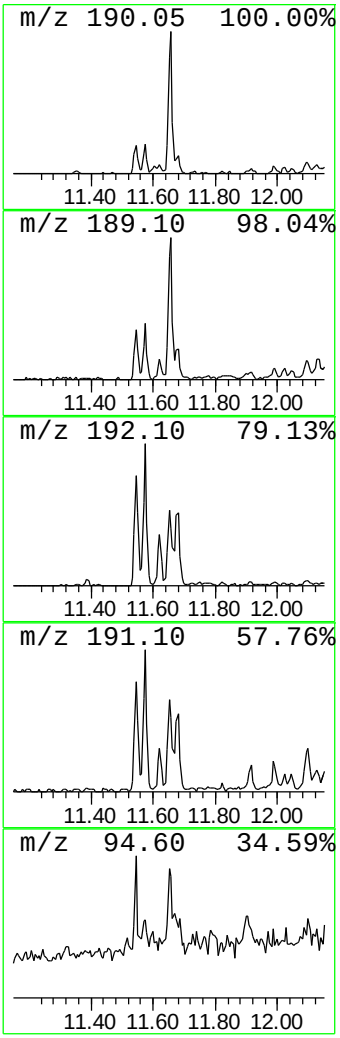
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.21 ng	155475	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	46
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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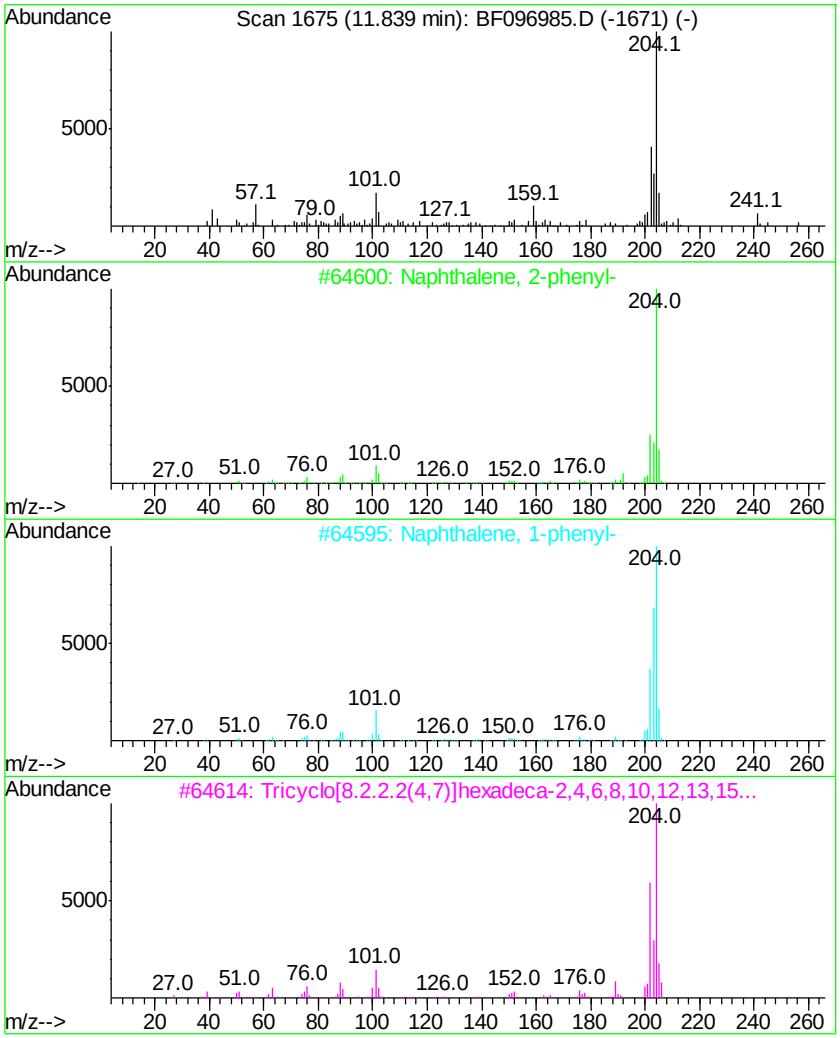
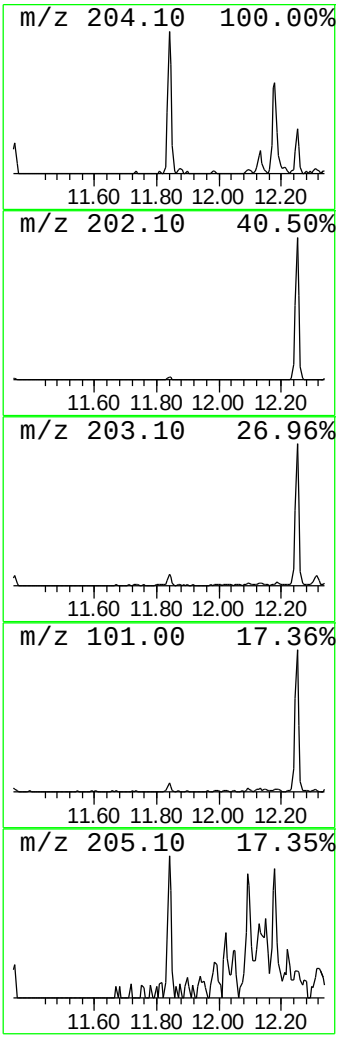
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.94 ng	142757	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	47





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Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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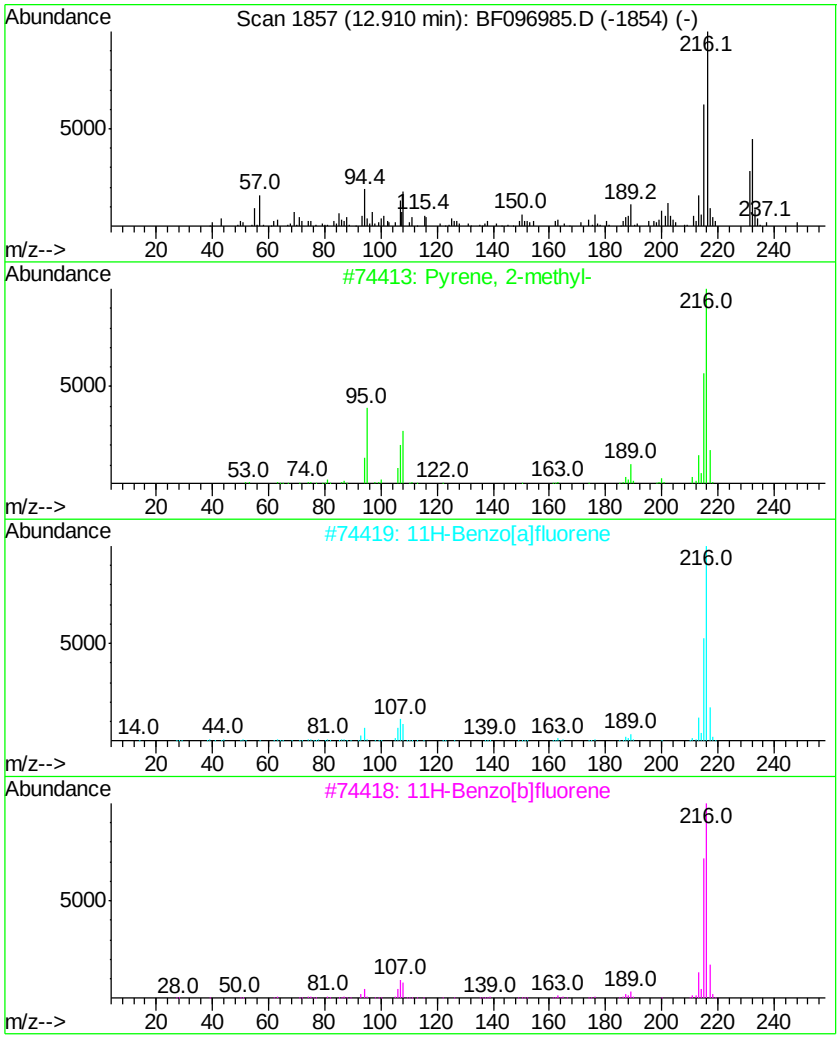
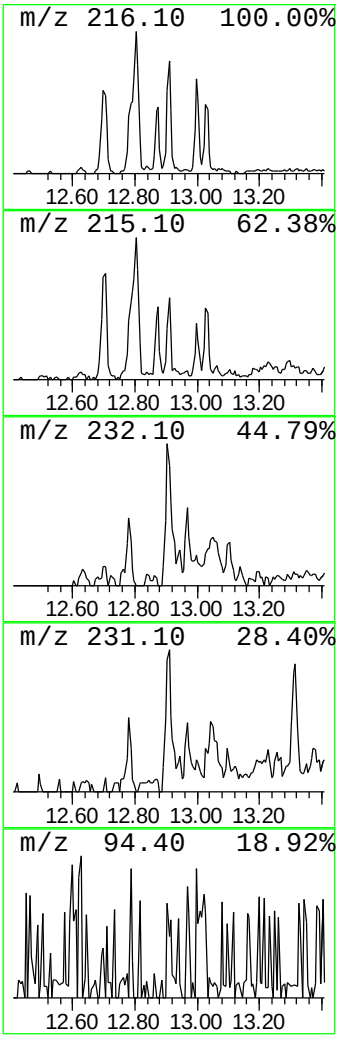
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	2.57 ng	121556	Chrysene-d12	13.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46





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Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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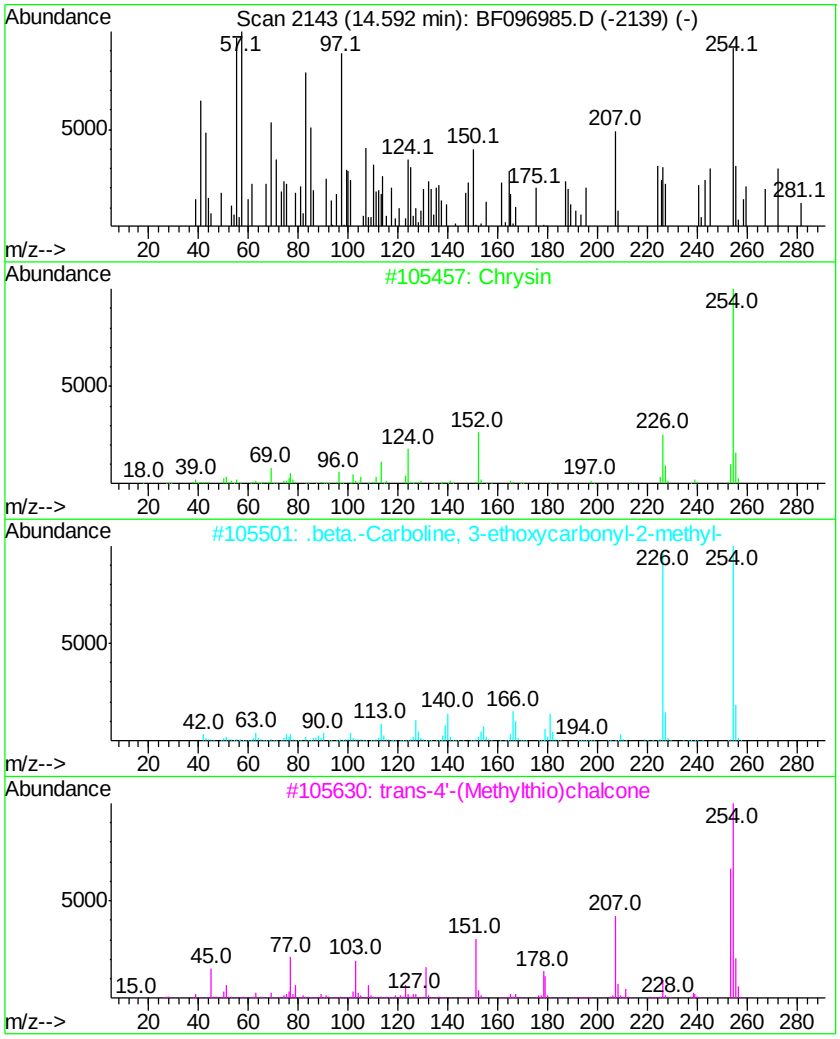
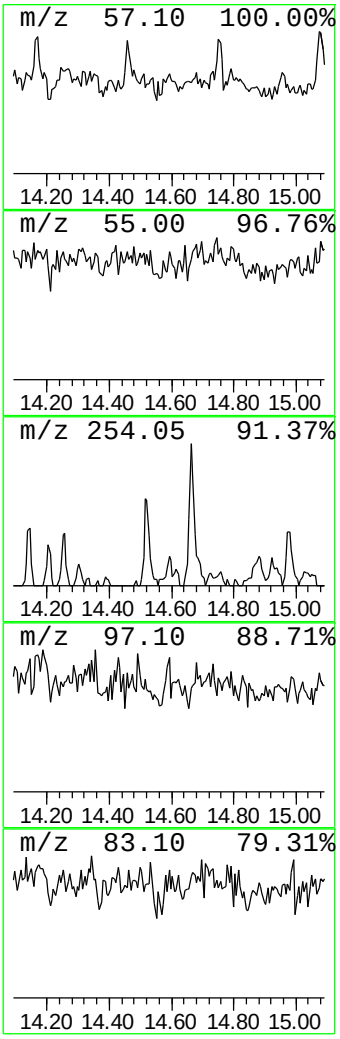
Peak Number 14 unknown14.59 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	2.33 ng	70236	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	11
2	.beta.-Carboline, 3-ethoxycarbon...	254	C15H14N2O2	124487-93-0	10
3	trans-4'-(Methylthio)chalcone	254	C16H14OS	017129-07-6	10
4	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	10
5	7-Bromo-1-heptanol, tert-butyldi...	308	C13H29BrOSi	1000364-14-2	10





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Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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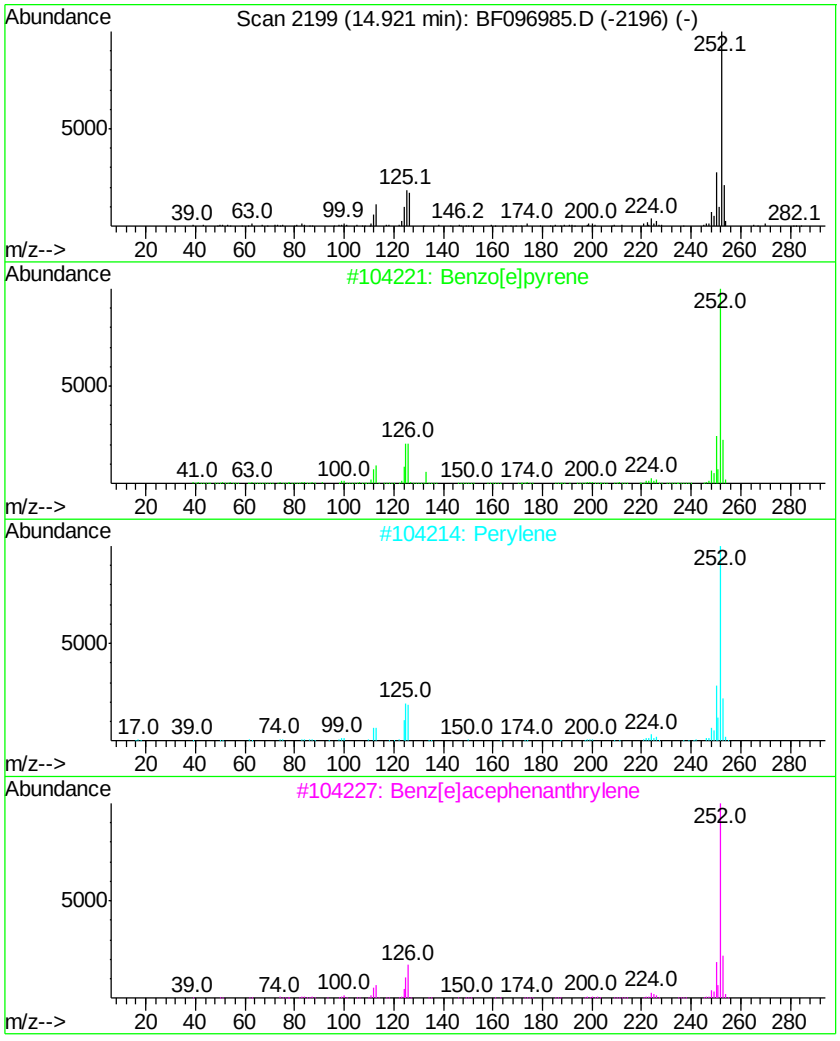
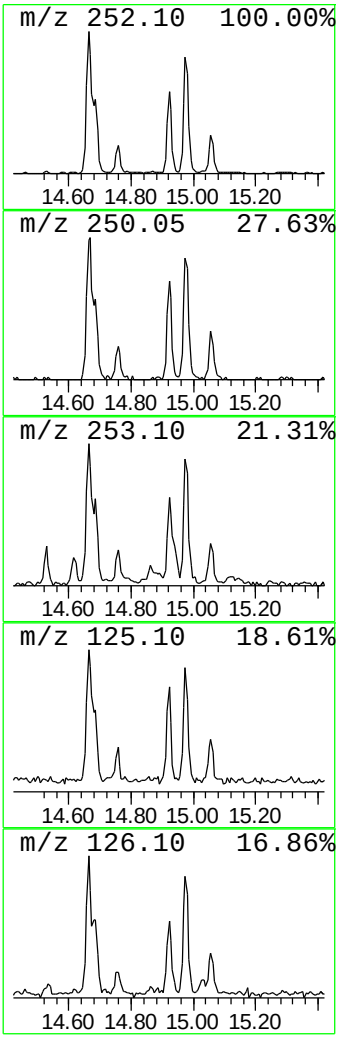
Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	4.73 ng	142460	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072417\
Data File : BF096985.D
Acq On : 24 Jul 2017 12:25
Operator : SJ/JU
Sample : I4370-04 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

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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
unknown4.68	4.68	2.1	ng	90235	1	6.54	854474	20.0
unknown6.32	6.32	18.3	ng	780288	1	6.54	854474	20.0
Decane, 2,6,7-tri...	8.27	3.0	ng	152671	2	7.82	1032100	20.0
Tritetracontane	9.32	3.8	ng	206528	3	9.57	1081960	20.0
Dodecane, 2,7,10-...	10.51	4.4	ng	214864	4	11.05	969710	20.0
Hexadecane, 2,6,1...	10.97	2.3	ng	112937	4	11.05	969710	20.0
Phenanthrene, 2-m...	11.54	2.3	ng	110055	4	11.05	969710	20.0
5H-Dibenzo[a,d]cy...	11.57	2.0	ng	97426	4	11.05	969710	20.0
4H-Cyclopenta[def...	11.65	3.2	ng	155475	4	11.05	969710	20.0
Naphthalene, 2-ph...	11.84	2.9	ng	142757	4	11.05	969710	20.0
Pyrene, 2-methyl-	12.91	2.6	ng	121556	5	13.67	945140	20.0
unknown14.59	14.59	2.3	ng	70236	6	15.03	602393	20.0
Benzo[e]pyrene	14.92	4.7	ng	142460	6	15.03	602393	20.0