LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090213.D
Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

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-BF092016.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	1.656	4	6	62	rVB	3390576	10042669	100.00%	5.915%
2	3.793	190	193	208	rBV	580863	1038356	10.34%	0.612%
3	4.582	258	262	264	rBV	728056	1051298	10.47%	0.619%
4	5.050	301	303	306	rBV	902816	1274766	12.69%	0.751%
5	6.147	396	399	402	rBV	1479611	1701046	16.94%	1.002%
6	6.262	406	409	411	rBV	1618527	1724238	17.17%	1.016%
7	6.490	427	429	432	rBV	763818	687486	6.85%	0.405%
8	6.650	440	443	445	rBV	1867983	1761129	17.54%	1.037%
9	7.062	476	479	482	rBV	1191643	1146921	11.42%	0.676%
10	7.782	540	542	543	rBV	1025266	928806	9.25%	0.547%
11	8.490	602	604	607	rBV	708173	600257	5.98%	0.354%
12	8.593	610	613	615	rBV	410306	490410	4.88%	0.289%
13	8.856	634	636	639	rBV	2069193	2056541	20.48%	1.211%
14	9.051	650	653	656	rVB	662952	697095	6.94%	0.411%
15	9.119	656	659	663	rBV	457617	626123	6.23%	0.369%
16	9.188	663	665	666	rVV	813765	764197	7.61%	0.450%
17	9.211	666	667	669	rVV	419285	437584	4.36%	0.258%
18	9.256	669	671	673	rVV	511634	565748	5.63%	0.333%
19	9.302	673	675	679	rVB	466316	524961	5.23%	0.309%
20	9.382	679	682	685	rBV2	380890	495015	4.93%	0.292%
21	9.519	692	694	696	rBV	985624	1068007	10.63%	0.629%
22	9.553	696	697	702	rVB	2110896	1964914	19.57%	1.157%
23	9.633	702	704	706	rBV	536347	745680	7.43%	0.439%
24	9.679	706	708	710	rBV	886502	734419	7.31%	0.433%
25	9.725	710	712	714	rVB	550530	616057	6.13%	0.363%
26	9.771	714	716	718	rBV	401942	371416	3.70%	0.219%
27	9.839	720	722	724	rBV	322061	391288	3.90%	0.230%
28	9.931	726	730	733	rBV	412255	724054	7.21%	0.426%
29	10.068	740	742	743	rBV	1723210	1504982	14.99%	0.886%
30	10.136	743	748	751	rBV3	848369	2050092	20.41%	1.208%
31	10.182	751	752	755	rVV3	268704	545435	5.43%	0.321%
32	10.228	755	756	758	rVB2	366586	429653	4.28%	0.253%
33	10.308	758	763	765	rBV4	408168	746377	7.43%	0.440%
34	10.354	765	767	769	rVB2	238258	367519	3.66%	0.216%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.605	786	789	791	rBV	646690	1173216	11.68%	0.691%
36	10.639	791	792	794	rVV2	650978	514890	5.13%	0.303%
37	10.696	795	797	798	rVB	406314	451631	4.50%	0.266%
38	10.765	800	803	804	rVB3	261277	405750	4.04%	0.239%
39	10.811	804	807	809	rVB3	218113	358769	3.57%	0.211%
40	10.856	809	811	812	rBV	569029	578735	5.76%	0.341%
41	10.891	812	814	821	rVB	1267743	1627672	16.21%	0.959%
42	11.039	821	827	828	rBV	5036023	9249279	92.10%	5.448%
43	11.074	828	830	832	rVB	2354160	2409310	23.99%	1.419%
44	11.325	850	852	854	rVB	1286241	1128544	11.24%	0.665%
45	11.405	857	859	861	rVB	765124	923152	9.19%	0.544%
46	11.451	861	863	865	rBV2	238619	391961	3.90%	0.231%
47	11.508	865	868	869	rBV	2405085	3831560	38.15%	2.257%
48	11.531	869	870	872	rVB	3007410	2553661	25.43%	1.504%
49	11.576	872	874	875	rBV	1372562	1389417	13.84%	0.818%
50	11.611	875	877	882	rVB2	3258143	7159075	71.29%	4.217%
51	11.691	882	884	885	rBV2	325191	384711	3.83%	0.227%
52	11.725	885	887	889	rVB2	586605	776890	7.74%	0.458%
53	11.794	889	893	894	rBV2	1644217	2350452	23.40%	1.384%
54	11.828	894	896	898	rVB	895937	1271951	12.67%	0.749%
55	11.862	898	899	901	rBV	538337	676910	6.74%	0.399%
56	11.942	903	906	907	rBV2	1192966	1674237	16.67%	0.986%
57	11.977	907	909	913	rVB2	956228	1723959	17.17%	1.015%
58	12.057	913	916	917	rBV	1847188	3056600	30.44%	1.800%
59	12.079	917	918	921	rVV	1283953	2301759	22.92%	1.356%
60	12.137	921	923	926	rVB2	1359100	1896999	18.89%	1.117%
61	12.217	926	930	932	rBV	3938022	5374311	53.51%	3.166%
62	12.262	932	934	939	rVB4	615345	1354706	13.49%	0.798%
63	12.354	939	942	943	rBV3	636330	869083	8.65%	0.512%
64	12.445	943	950	952	rVV	4078027	8851166	88.14%	5.214%
65	12.491	952	954	956	rVB3	812131	1369209	13.63%	0.807%
66	12.548	956	959	960	rBV2	531289	715917	7.13%	0.422%
67	12.582	960	962	966	rVB	1531926	1996997	19.89%	1.176%
68	12.651	966	968	971	rBV2	1290813	2131348	21.22%	1.255%
69	12.765	973	978	979	rVB	1719960	3952127	39.35%	2.328%
70	12.834	979	984	985	rBV3	1090057	2435128	24.25%	1.434%
71	12.868	985	987	990	rVV	2025539	3096921	30.84%	1.824%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.959	993	995	996	rVV	1562146	1908027	19.00%	1.124%
73	12.982	996	997	999	rVV	1542073	1758272	17.51%	1.036%
74	13.131	1008	1010	1011	rBV2	359308	505419	5.03%	0.298%
75	13.177	1011	1014	1018	rVV2	748252	2193863	21.85%	1.292%
76	13.268	1018	1022	1026	rVV2	1132366	2483167	24.73%	1.463%
77	13.371	1029	1031	1032	rVV	1442589	1892350	18.84%	1.115%
78	13.405	1032	1034	1035	rVV	1026206	1596223	15.89%	0.940%
79	13.474	1039	1040	1041	rVV	680587	659536	6.57%	0.388%
80	13.508	1041	1043	1044	rVV	383347	491917	4.90%	0.290%
81	13.622	1050	1053	1054	rVV	2667399	4710498	46.90%	2.775%
82	13.657	1054	1056	1060	rVV	2596565	5245534	52.23%	3.090%
83	13.714	1060	1061	1063	rVV2	715088	952421	9.48%	0.561%
84	13.794	1065	1068	1072	rVB5	529960	1548662	15.42%	0.912%
85	13.977	1082	1084	1085	rBV	382119	607885	6.05%	0.358%
86	14.011	1085	1087	1089	rVV	1499994	2806379	27.94%	1.653%
87	14.102	1092	1095	1096	rVV2	735641	1570712	15.64%	0.925%
88	14.137	1096	1098	1101	rVV4	857290	1712107	17.05%	1.008%
89	14.205	1102	1104	1107	rVB3	533352	681265	6.78%	0.401%
90	14.251	1107	1108	1111	rVB2	274265	368894	3.67%	0.217%
91	14.331	1113	1115	1119	rVV4	270592	677557	6.75%	0.399%
92	14.388	1119	1120	1125	rVB3	684746	1655595	16.49%	0.975%
93	14.617	1137	1140	1145	rVV	1602158	3418998	34.04%	2.014%
94	14.697	1145	1147	1149	rVB	547986	538321	5.36%	0.317%
95	14.857	1159	1161	1163	rVB	1237757	1412886	14.07%	0.832%
96	14.914	1163	1166	1168	rVB	1584734	1980282	19.72%	1.166%
97	15.211	1190	1192	1194	rBV	336080	468910	4.67%	0.276%
98	16.114	1268	1271	1275	rVB	572066	1126512	11.22%	0.664%
99	16.468	1298	1302	1308	rVB	563061	1125876	11.21%	0.663%
100	16.640	1315	1317	1323	rVB2	149412	390680	3.89%	0.230%

Sum of corrected areas: 169771290

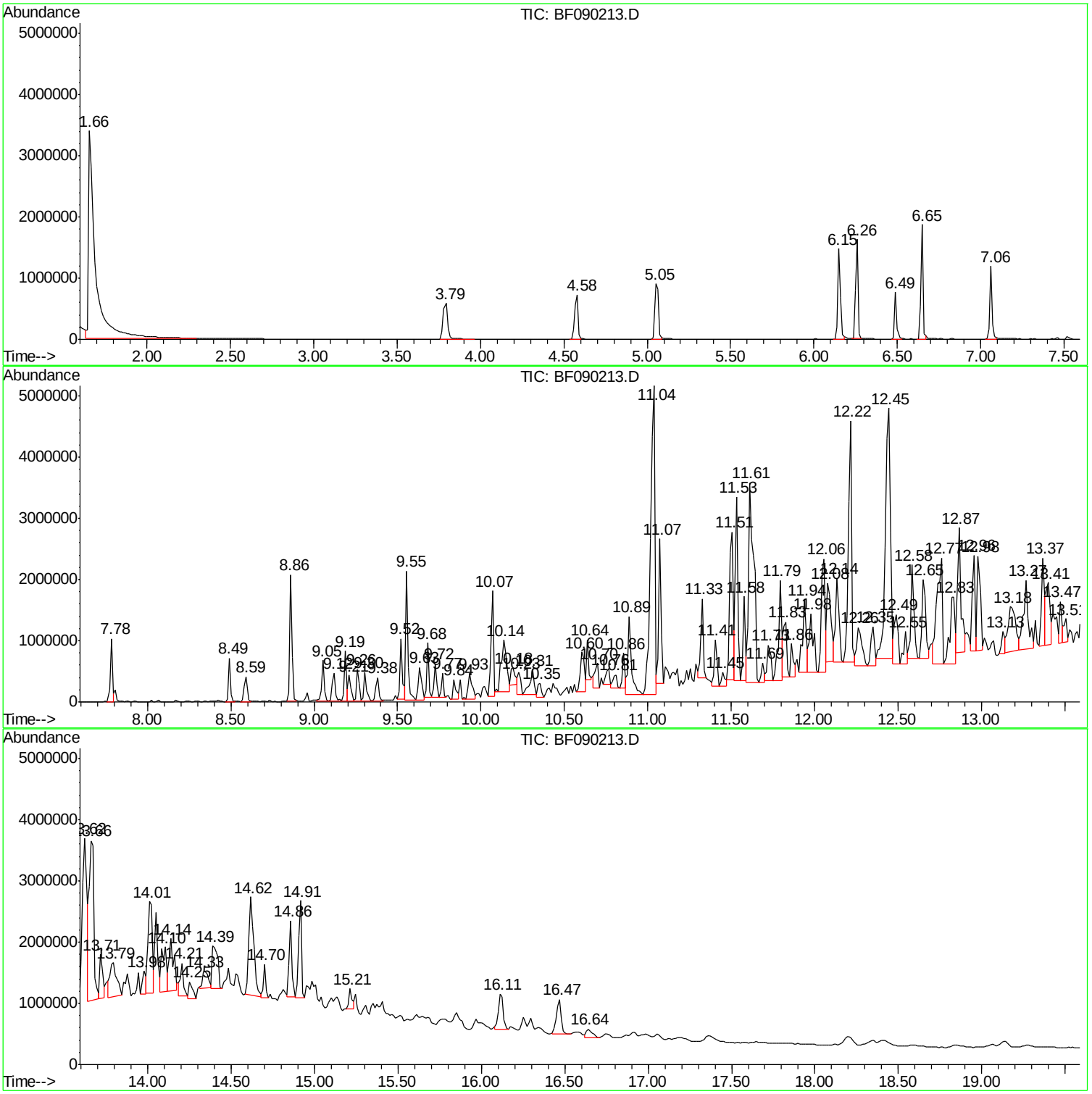
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090213.D
Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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:\HPCHEM1\BNA F\DATA\BF092316\
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Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
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Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

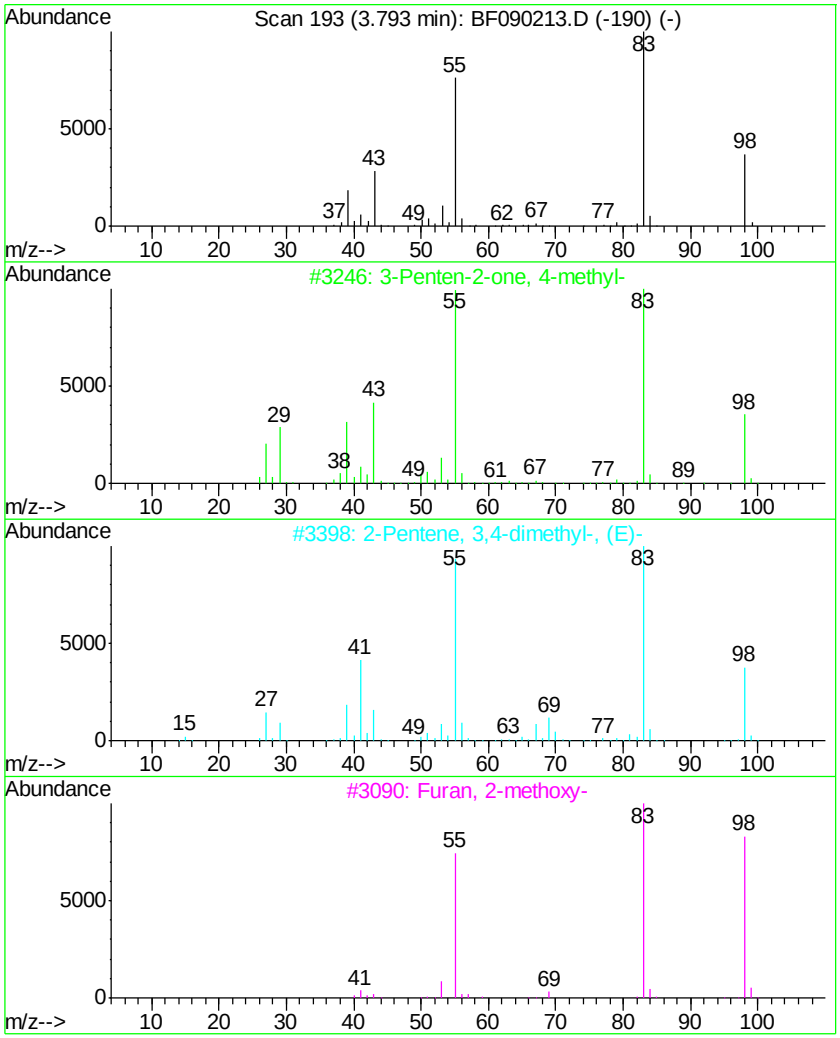
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

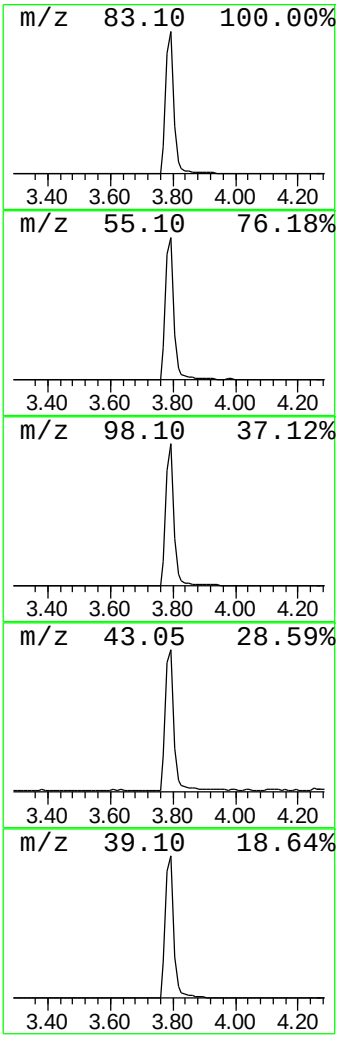
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	30.21 ng	1038360	1,4-Dichlorobenzene-d4	6.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	83
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	78
5	3-Hexen-2-one	98	C6H10O	000763-93-9	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090213.D
Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

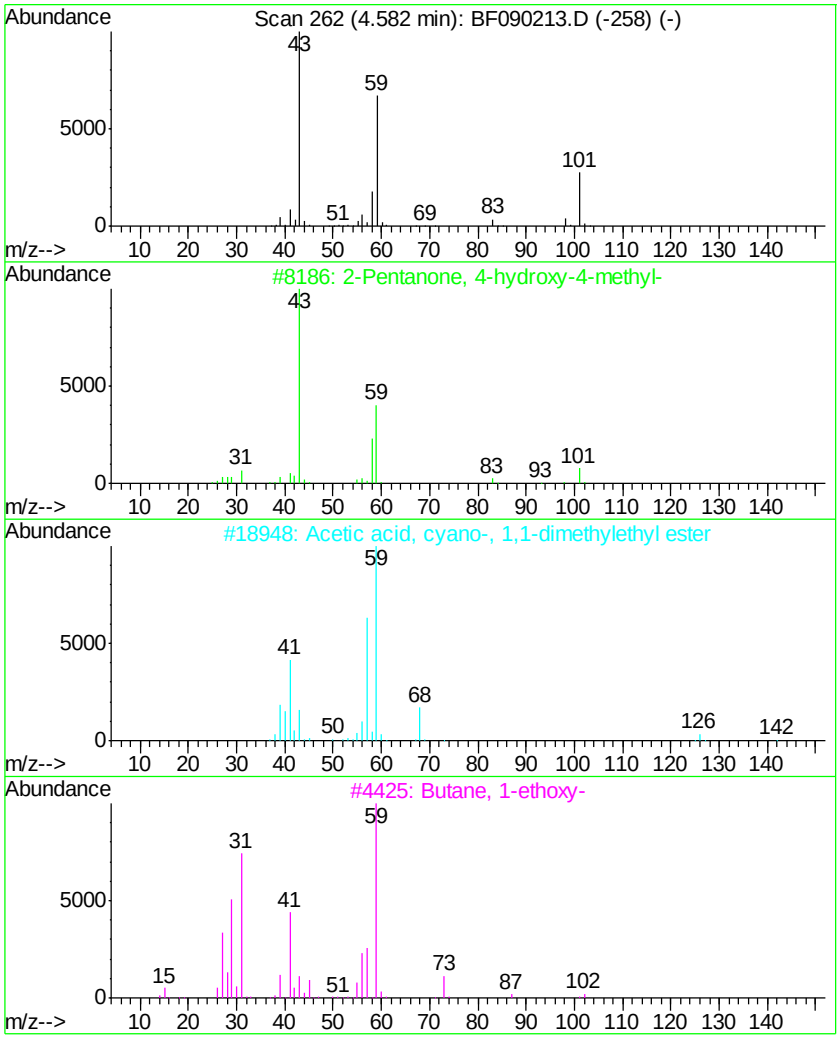
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

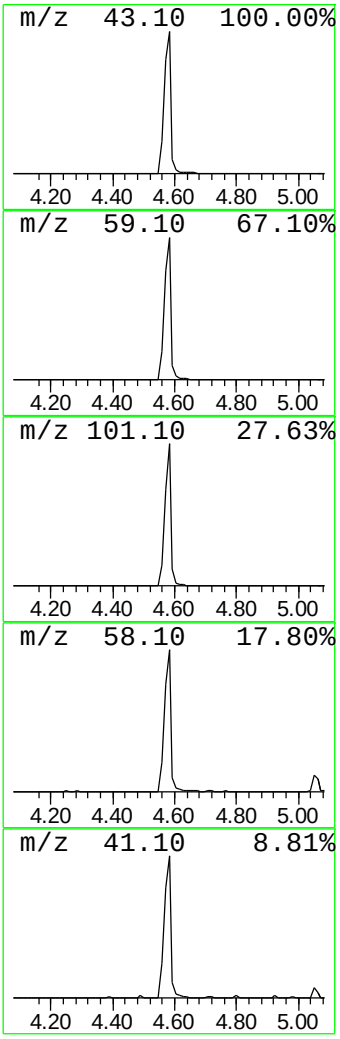
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	30.58 ng	1051300	1,4-Dichlorobenzene-d4	6.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Acetone	58	C3H6O	000067-64-1	9
5	Guanidine	59	CH5N3	000113-00-8	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

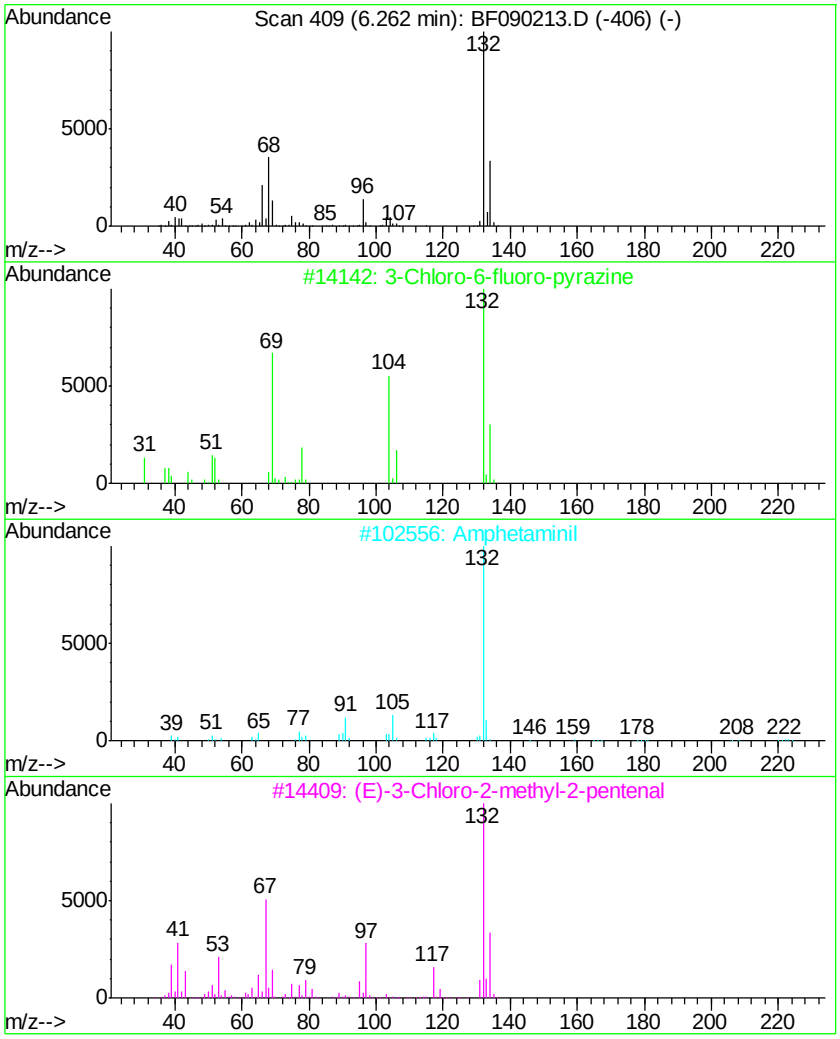
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

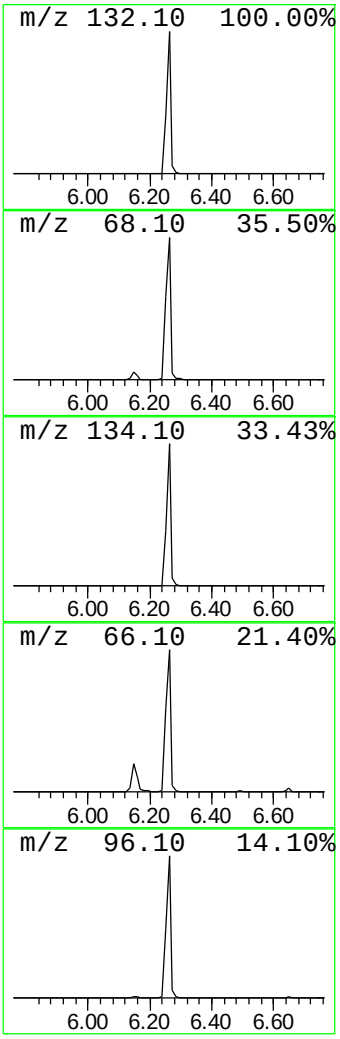
****

Peak Number 4 unknown6.26 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	50.16 ng	1724240	1,4-Dichlorobenzene-d4	6.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Amphetaminil	250	C17H18N2	017590-01-1	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090213.D
Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
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Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

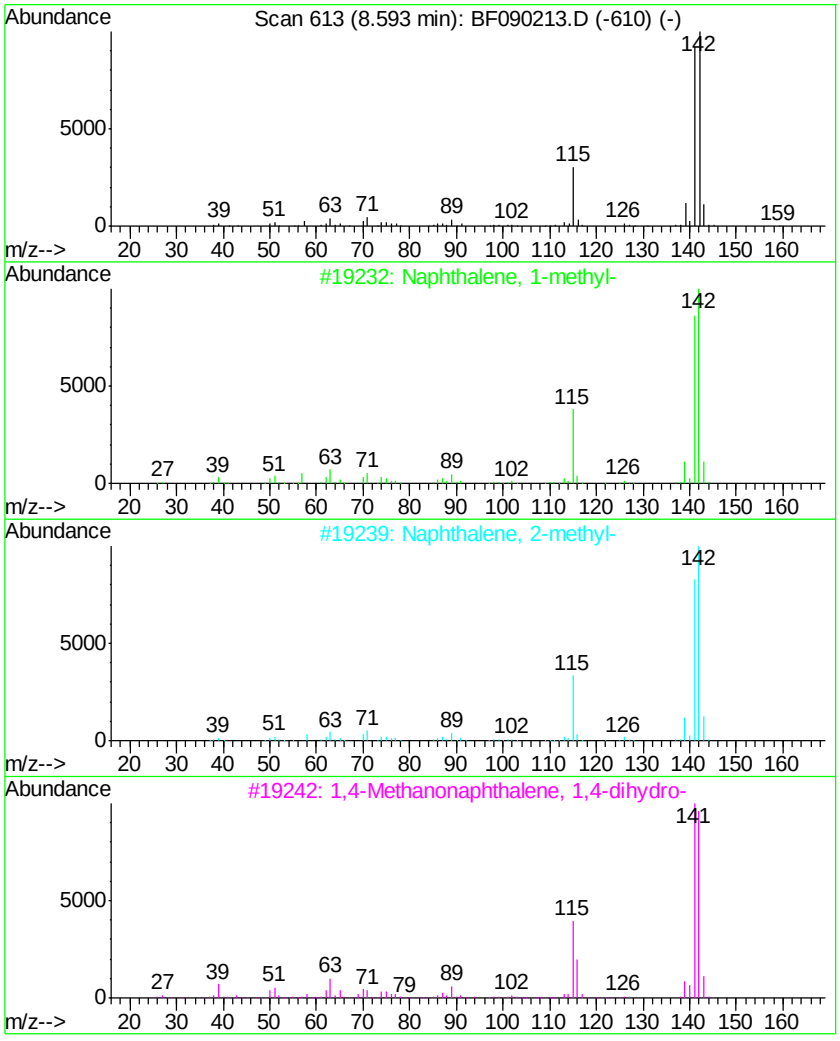
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

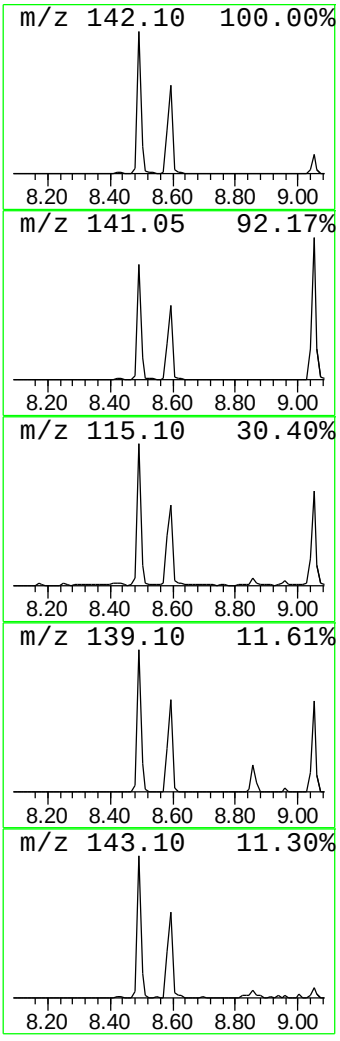
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	10.56 ng	490410	Naphthalene-d8	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090213.D
Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

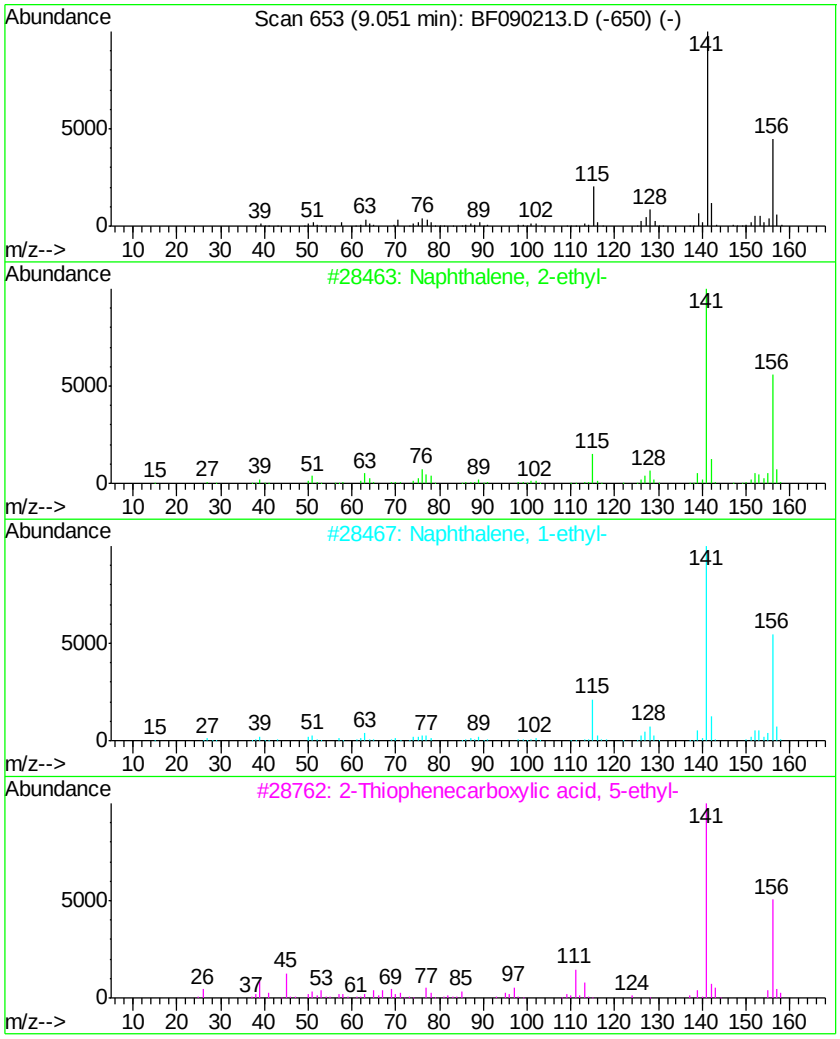
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

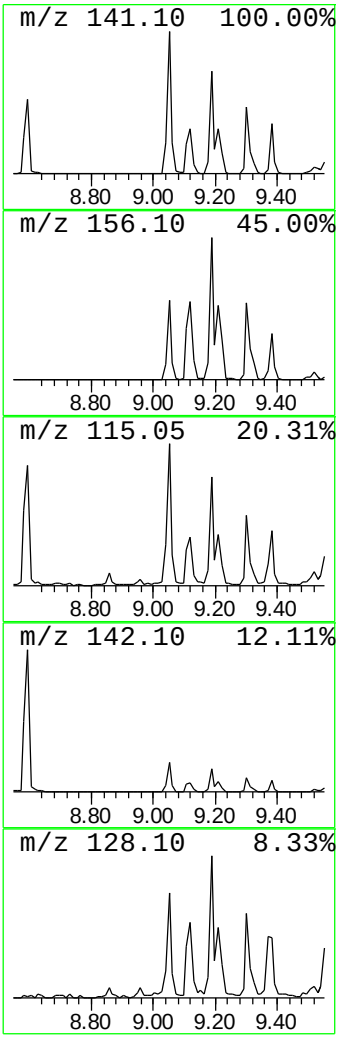
****

Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	13.05 ng	697095	Acenaphthene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	59
5	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	47





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Data File : BF090213.D
Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

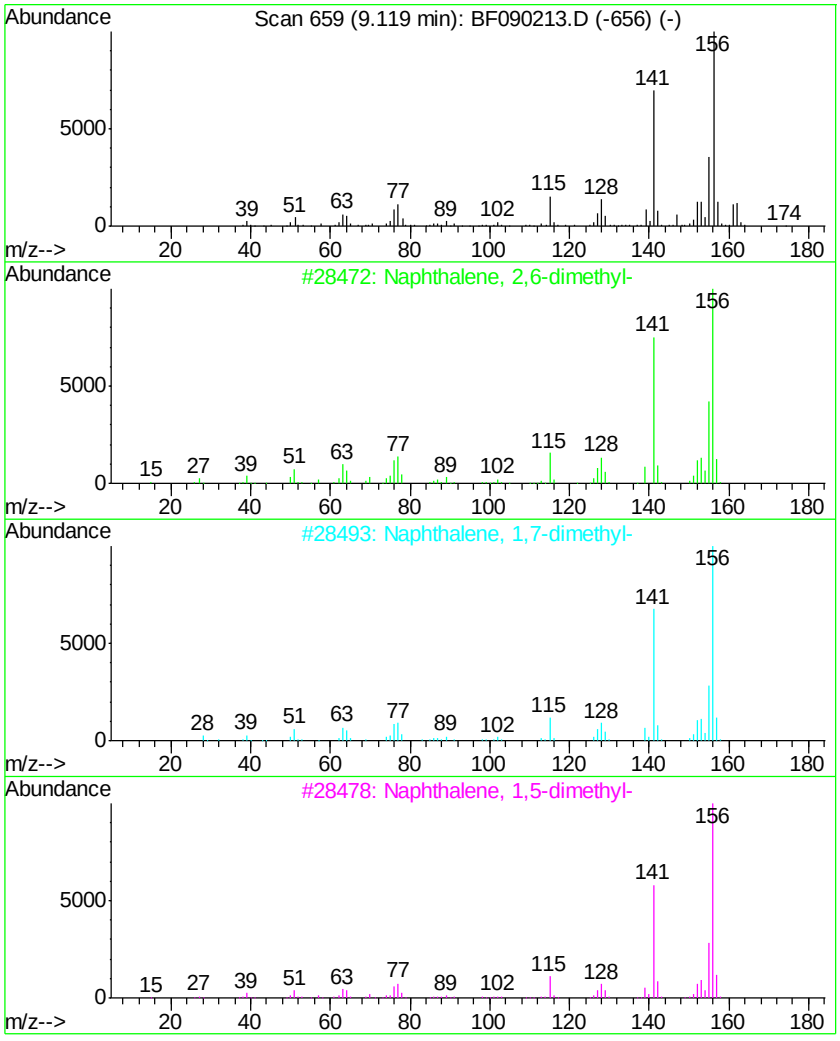
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

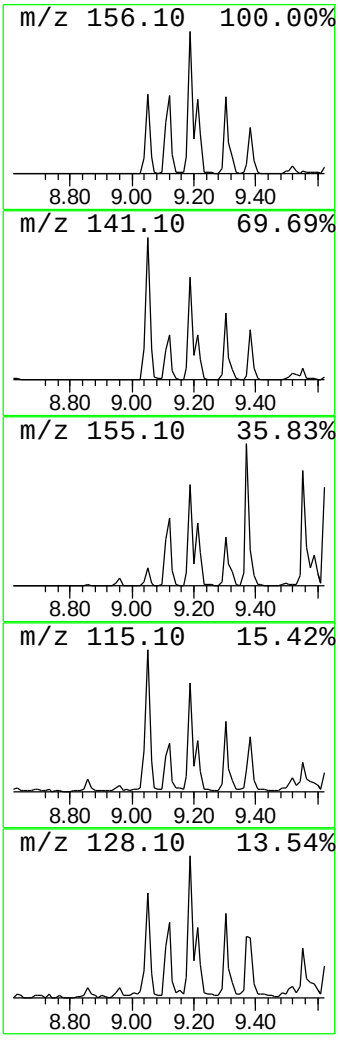
****

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	11.73 ng	626123	Acenaphthene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

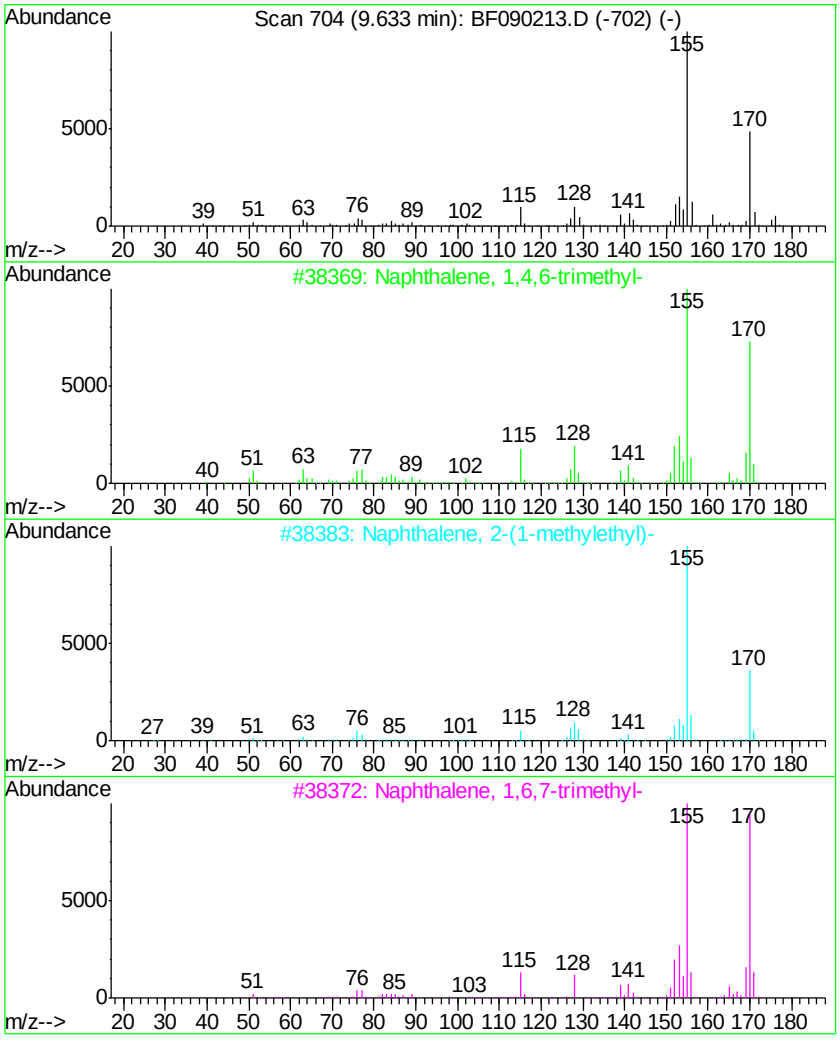
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

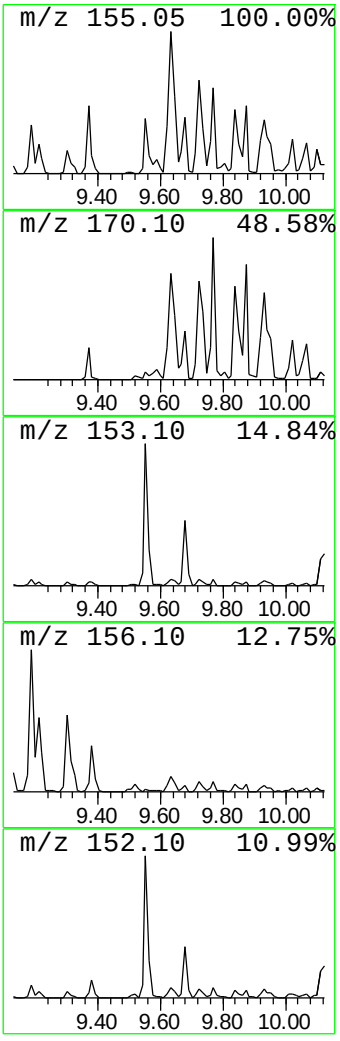
****

Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	13.96 ng	745680	Acenaphthene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
5	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72





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Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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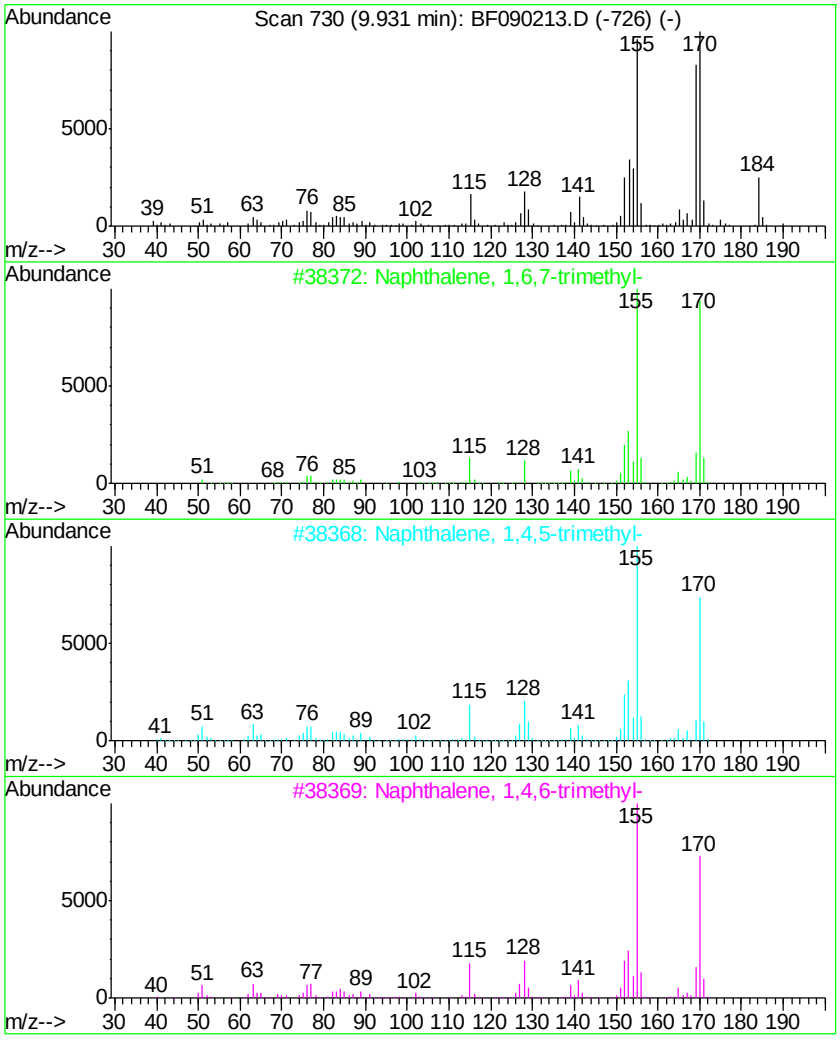
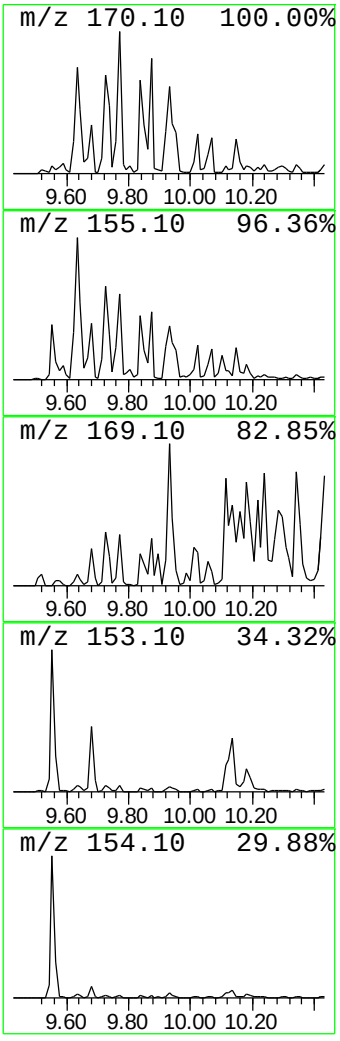
Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	13.56 ng	724054	Acenaphthene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	92
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	70





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Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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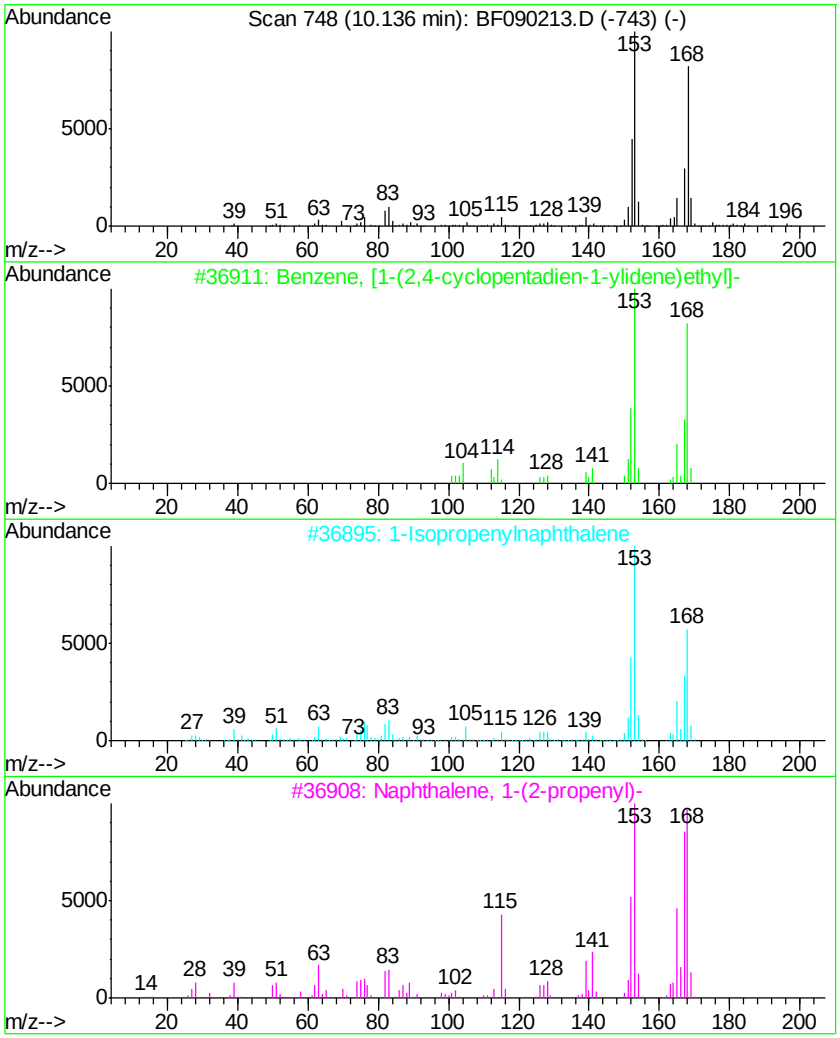
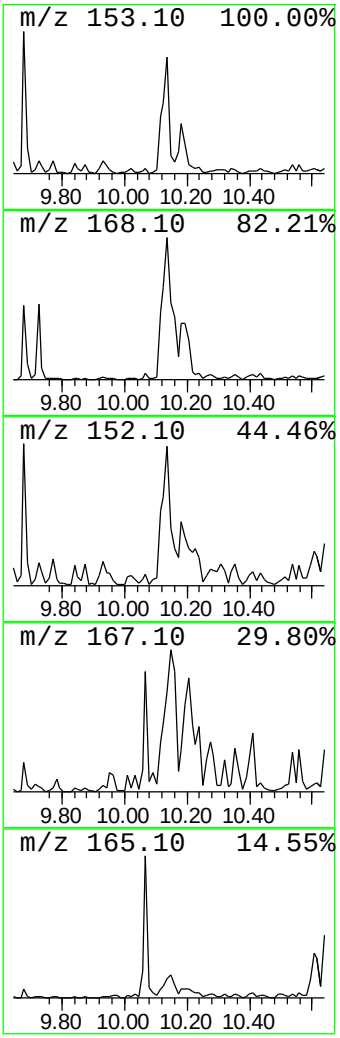
Peak Number 12 Benzene, [1-(2,4-cyclopenta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	38.39 ng	2050090	Acenaphthene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	72
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





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Acq On : 23 Sep 2016 22:23
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Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

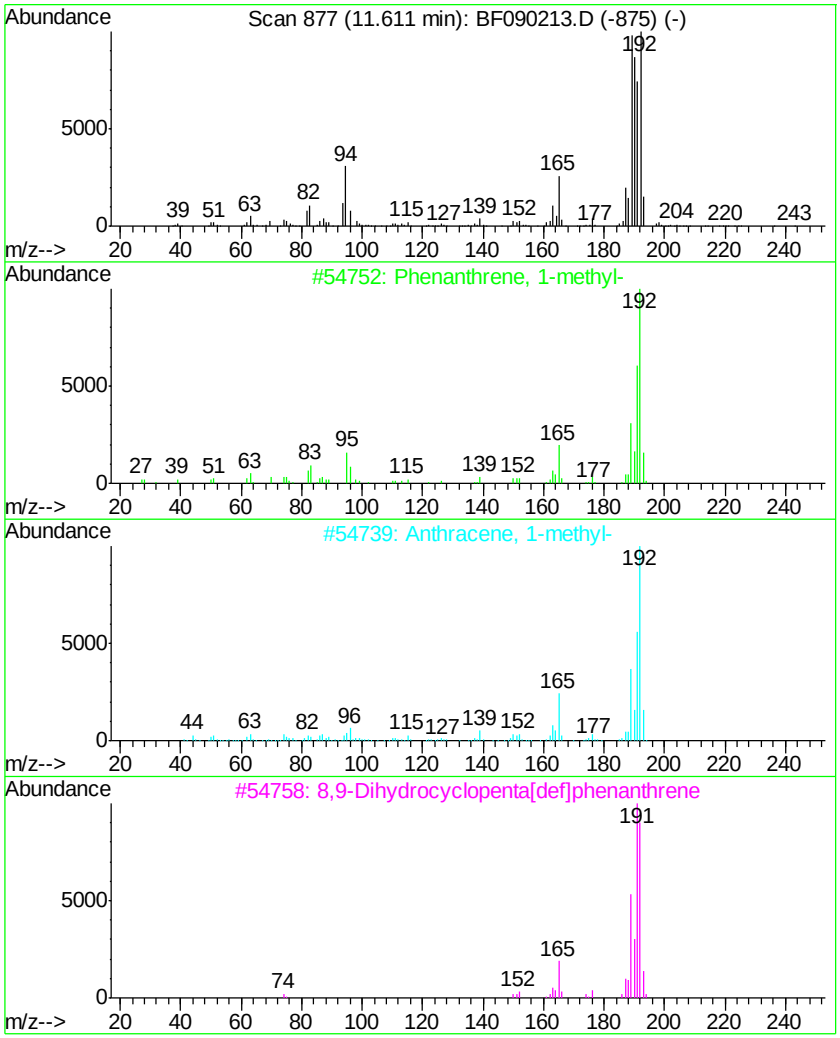
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

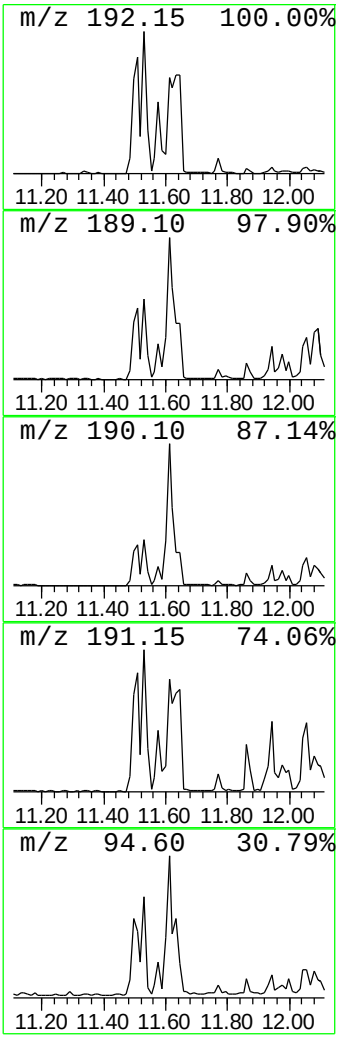
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	15.48 ng	7159080	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	47
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46





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Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

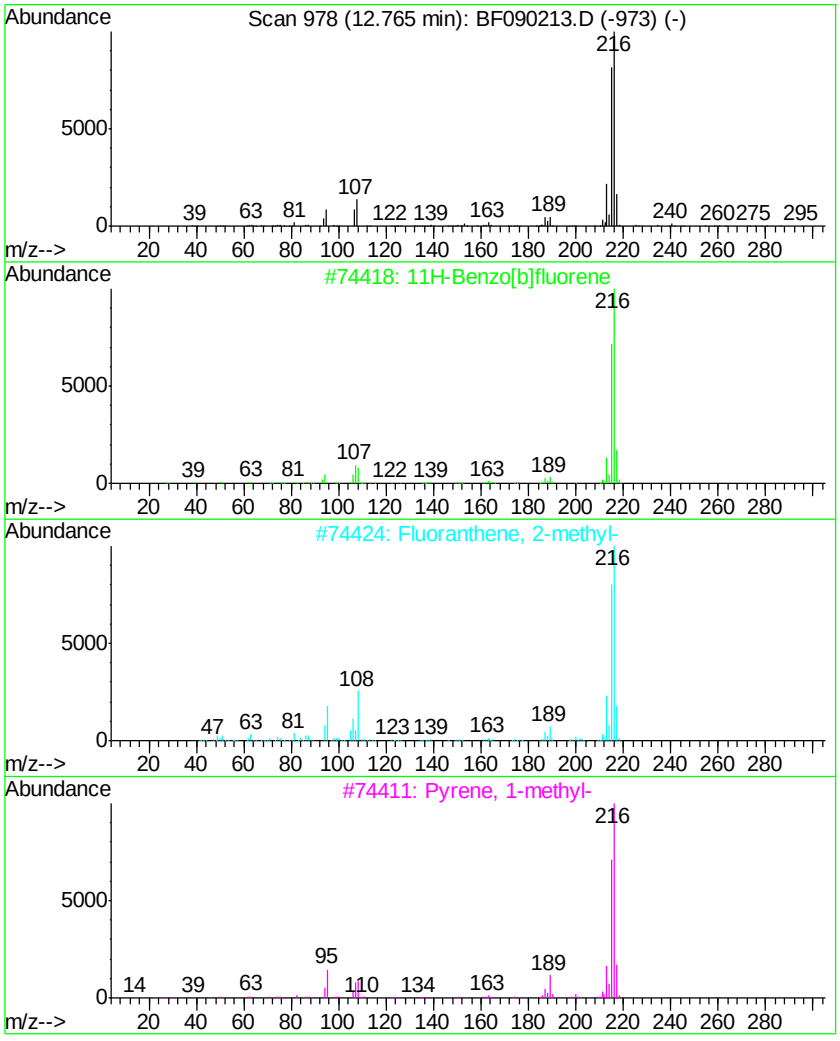
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

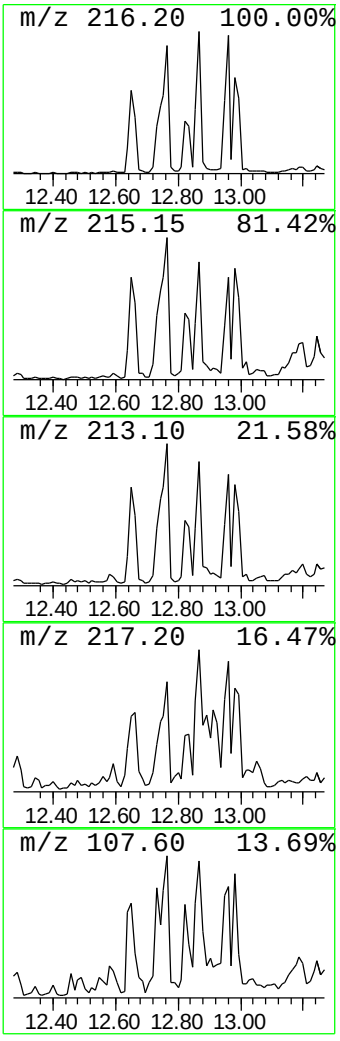
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	16.78 ng	3952130	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





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Data File : BF090213.D
Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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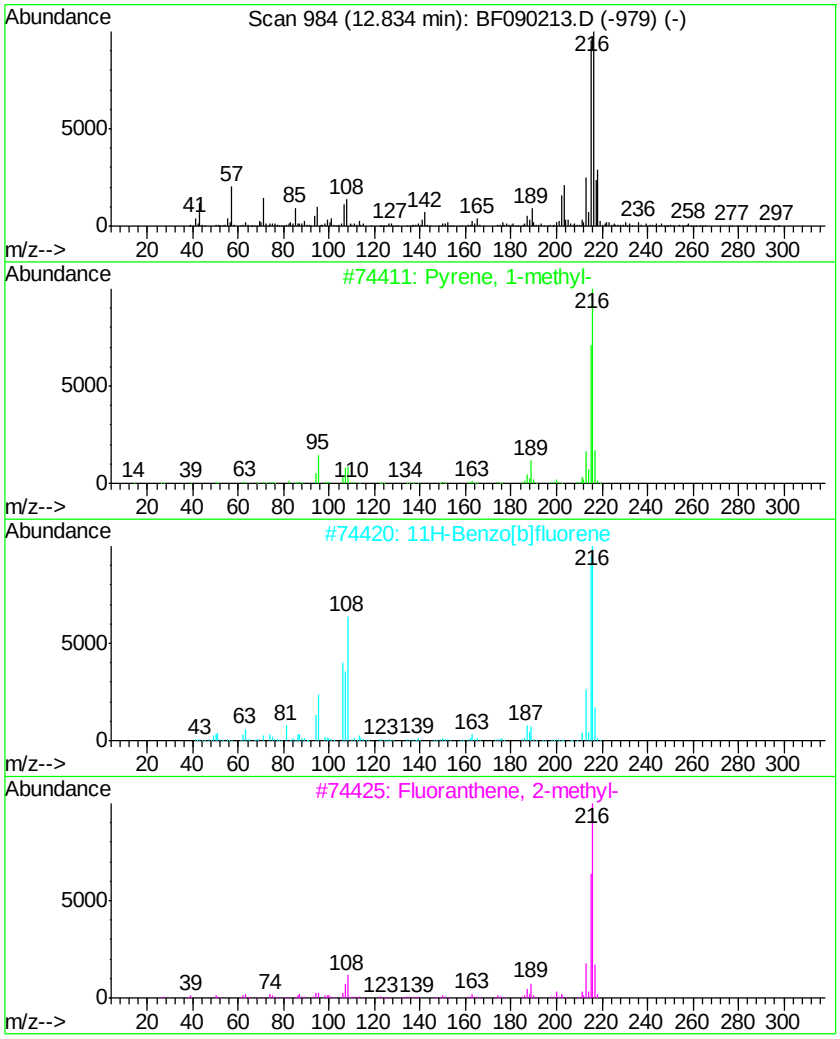
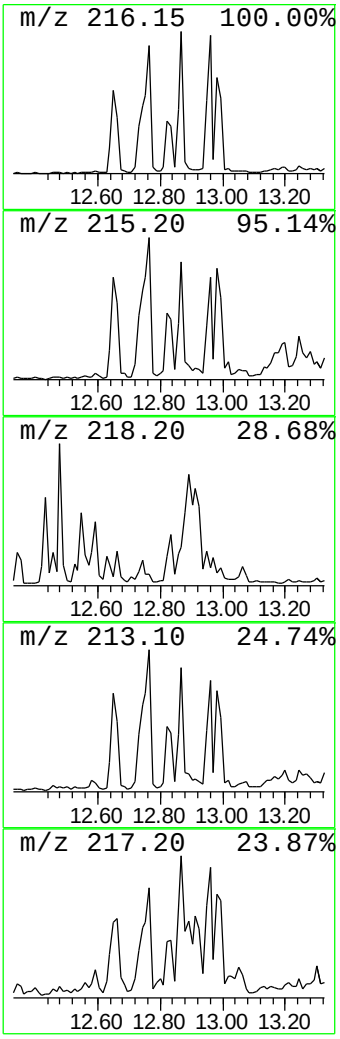
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	10.34 ng	2435130	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58





Library Search Compound Report

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Data File : BF090213.D
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Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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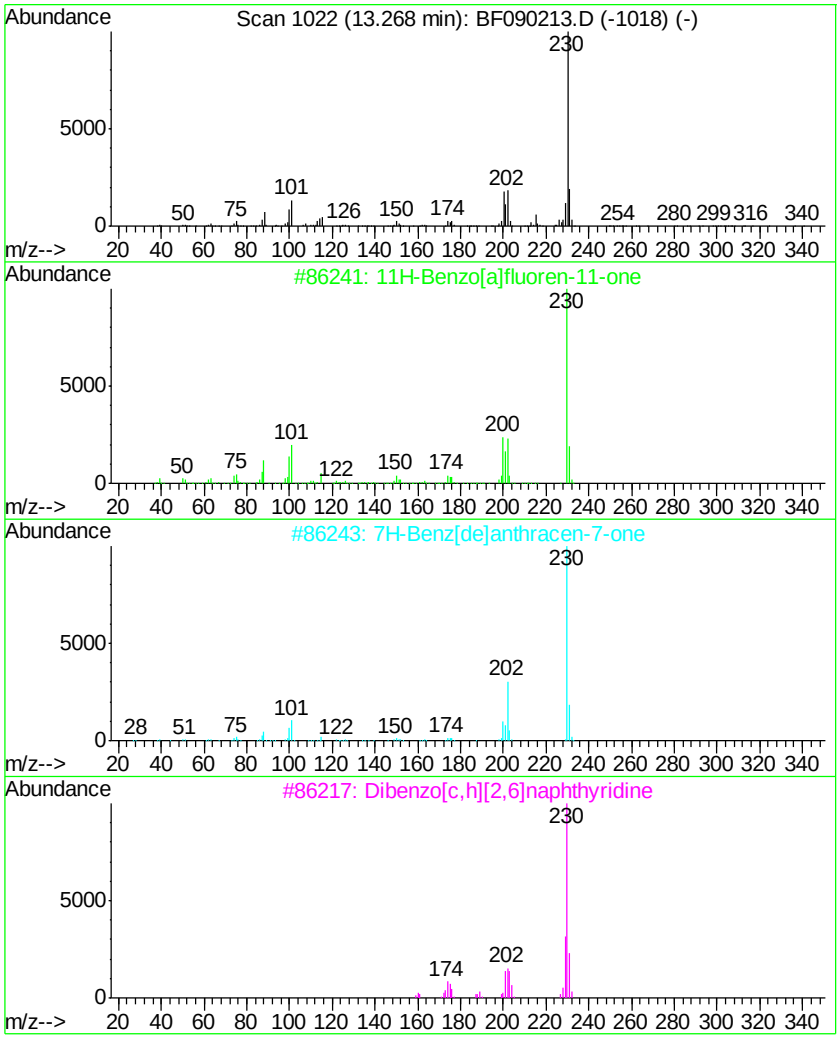
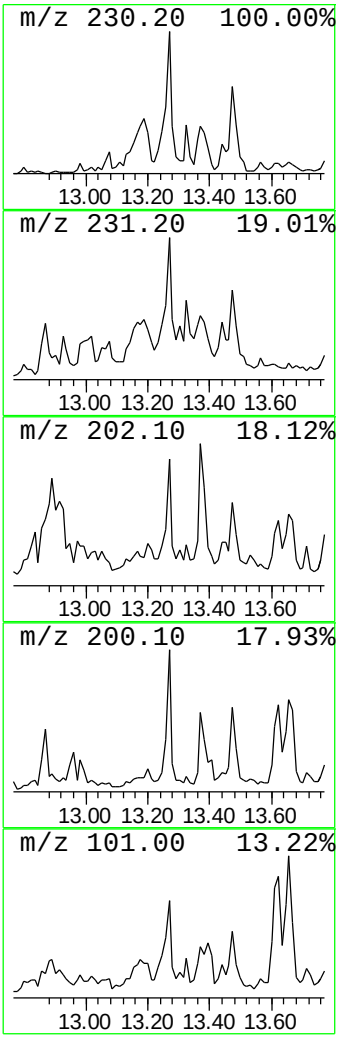
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	10.54 ng	2483170	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	80
4	m-Terphenyl	230	C18H14	000092-06-8	72
5	p-Terphenyl	230	C18H14	000092-94-4	72





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Acq On : 23 Sep 2016 22:23
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Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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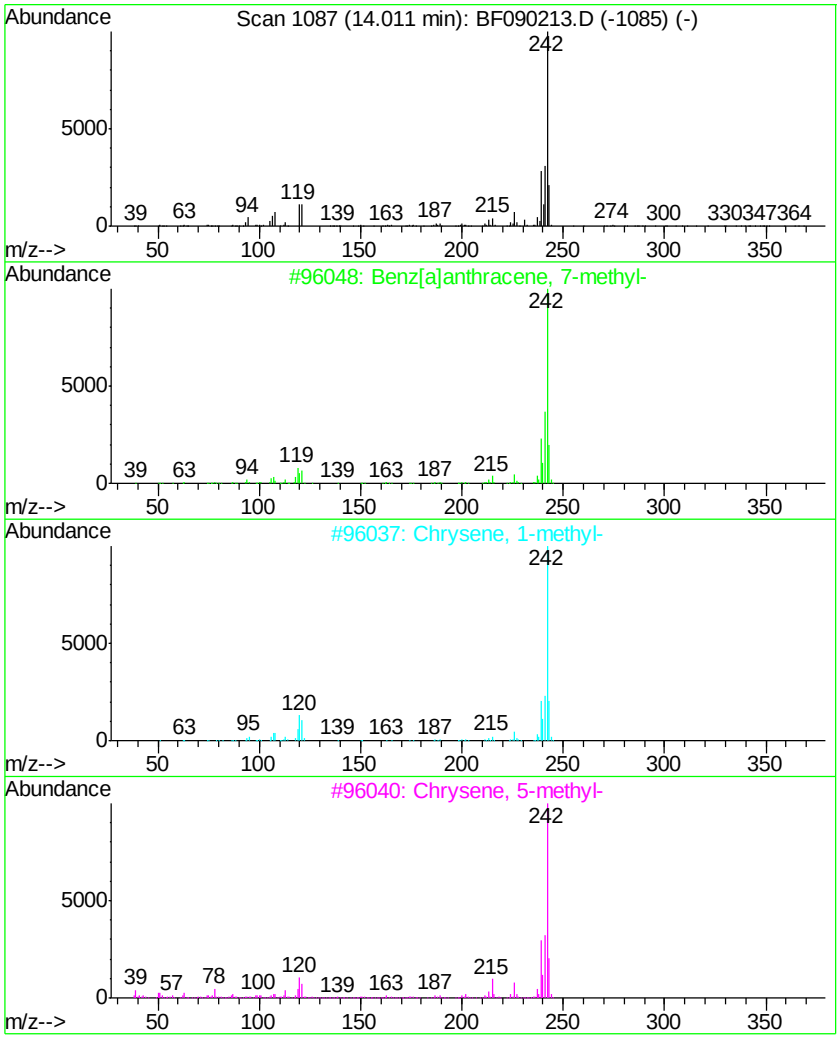
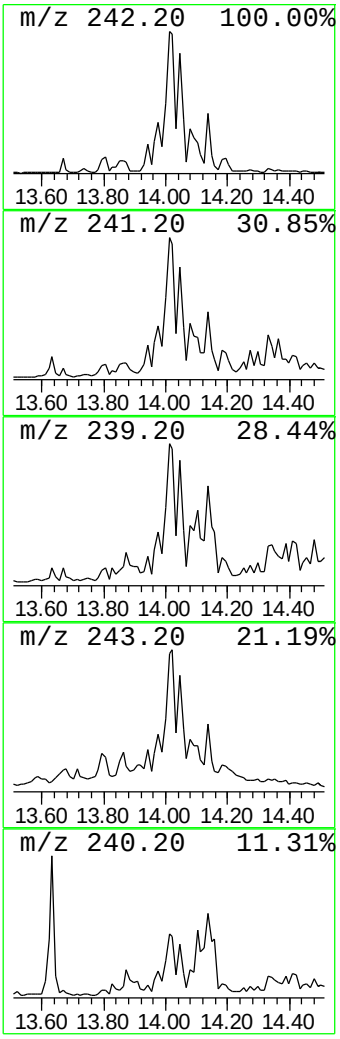
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	11.92 ng	2806380	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	89





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Acq On : 23 Sep 2016 22:23
Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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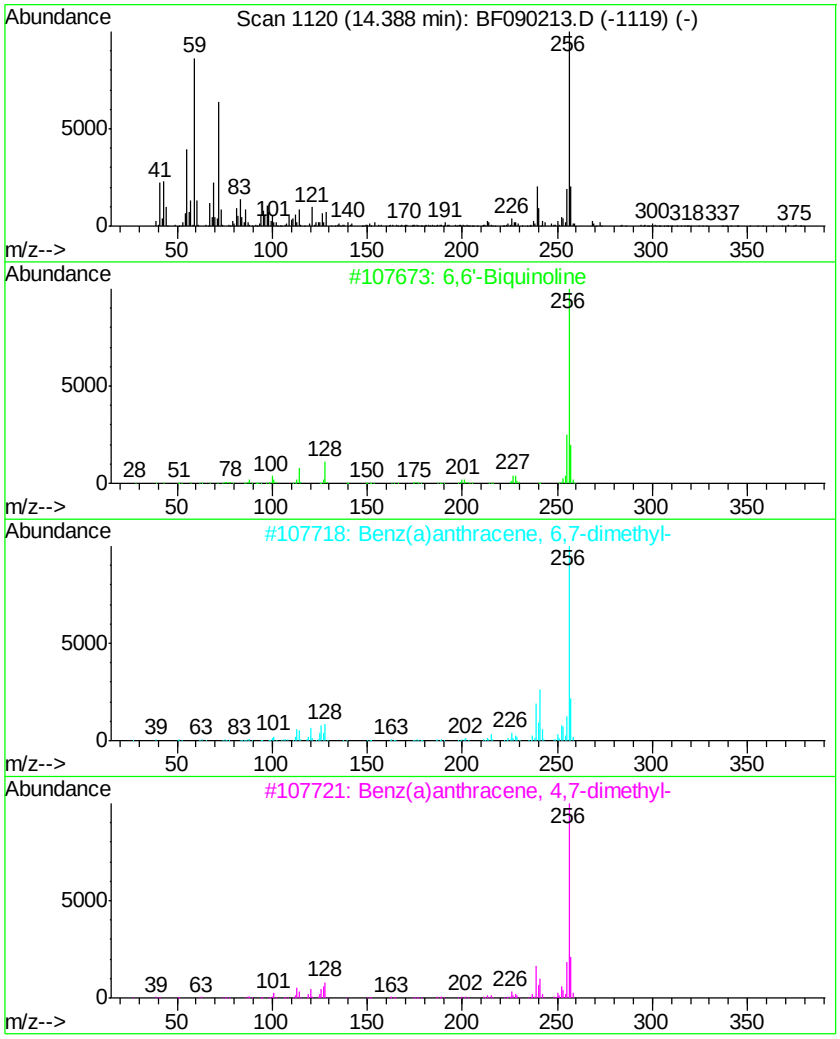
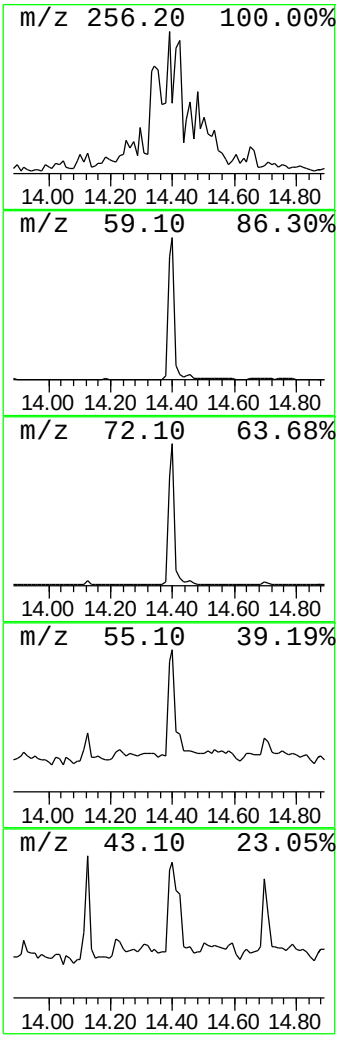
Peak Number 19 6,6'-Biquinoline Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	16.72 ng	1655600	Perylene-d12	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6'-Biquinoline	256	C18H12N2	000612-79-3	70
2	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	64
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	64
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	64
5	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
Data File : BF090213.D
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Operator : UM/SJ
Sample : H4927-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRACK-D-GRID-18A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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
3-Penten-2-one, 4...	3.79	30.2	ng	1038360	1	6.49	687486	20.0
2-Pentanone, 4-hy...	4.58	30.6	ng	1051300	1	6.49	687486	20.0
unknown6.26	6.26	50.2	ng	1724240	1	6.49	687486	20.0
Naphthalene, 1-me...	8.59	10.6	ng	490410	2	7.78	928806	20.0
Naphthalene, 2-et...	9.05	13.1	ng	697095	3	9.52	1068010	20.0
Naphthalene, 2,6-...	9.12	11.7	ng	626123	3	9.52	1068010	20.0
Naphthalene, 1,4,...	9.63	14.0	ng	745680	3	9.52	1068010	20.0
Naphthalene, 1,6,...	9.93	13.6	ng	724054	3	9.52	1068010	20.0
Benzene, [1-(2,4-...	10.14	38.4	ng	2050090	3	9.52	1068010	20.0
Phenanthrene, 1-m...	11.61	15.5	ng	7159080	4	10.99	9249280	20.0
11H-Benzo[b]fluorene	12.77	16.8	ng	3952130	5	13.63	4710500	20.0
Pyrene, 1-methyl-	12.83	10.3	ng	2435130	5	13.63	4710500	20.0
11H-Benzo[a]fluor...	13.27	10.5	ng	2483170	5	13.63	4710500	20.0
Benz[a]anthracene...	14.01	11.9	ng	2806380	5	13.63	4710500	20.0
6,6'-Biquinoline	14.39	16.7	ng	1655600	6	14.96	1980280	20.0