LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

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-BF063016.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	1.667	6	7	16	rVB	233908	348341	15.38%	1.390%
2	1.781	16	17	27	rVV	1387475	2200637	97.14%	8.784%
3	1.907	27	28	39	rVB2	59251	135658	5.99%	0.541%
4	4.856	282	286	294	rBV	130595	229545	10.13%	0.916%
5	5.290	322	324	327	rVB	1333933	2006250	88.56%	8.008%
6	5.999	384	386	387	rBV	20724	24595	1.09%	0.098%
7	6.136	394	398	401	rBV2	9827	24766	1.09%	0.099%
8	6.227	403	406	410	rVB3	20499	42446	1.87%	0.169%
9	6.353	413	417	419	rVB	1507107	2208045	97.47%	8.813%
10	6.467	424	427	429	rVV	2101086	2154882	95.12%	8.601%
11	6.536	429	433	435	rVV	12003	25678	1.13%	0.102%
12	6.696	444	447	448	rBV	418203	413326	18.24%	1.650%
13	6.856	458	461	463	rVB	1375306	1729610	76.35%	6.904%
14	7.096	480	482	484	rBV3	15555	23938	1.06%	0.096%
15	7.267	493	497	499	rVB	1159520	1483818	65.50%	5.923%
16	7.622	524	528	531	rVB2	17456	29567	1.31%	0.118%
17	7.724	531	537	540	rBV3	28269	58145	2.57%	0.232%
18	7.976	557	559	562	rBV	594934	561970	24.81%	2.243%
19	8.113	568	571	573	rVV2	14633	26331	1.16%	0.105%
20	8.159	573	575	581	rVB3	13577	24634	1.09%	0.098%
21	8.422	595	598	599	rBV	44218	48424	2.14%	0.193%
22	8.582	611	612	614	rVB	20241	23852	1.05%	0.095%
23	8.685	619	621	623	rVB	40459	58922	2.60%	0.235%
24	8.787	628	630	632	rVB	84142	63939	2.82%	0.255%
25	9.016	647	650	651	rVB	35489	31195	1.38%	0.125%
26	9.062	651	654	656	rBV	2480072	2265429	100.00%	9.042%
27	9.153	656	662	664	rBV	43668	48213	2.13%	0.192%
28	9.313	674	676	679	rVB	27146	40182	1.77%	0.160%
29	9.393	679	683	684	rBV	76013	104700	4.62%	0.418%
30	9.450	686	688	691	rVV	347147	416890	18.40%	1.664%
31	9.508	691	693	698	rVB	44847	61163	2.70%	0.244%
32	9.588	698	700	703	rVB2	33582	35811	1.58%	0.143%
33	9.679	706	708	709	rVB	51857	40551	1.79%	0.162%
34	9.725	709	712	715	rBV2	519368	569565	25.14%	2.273%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.930	728	730	732	rVB	54015	47461	2.10%	0.189%
36	9.976	732	734	735	rVB2	18098	24569	1.08%	0.098%
37	9.999	735	736	738	rVB2	30310	25924	1.14%	0.103%
38	10.045	738	740	741	rBV2	44494	43997	1.94%	0.176%
39	10.068	741	742	746	rVB4	18570	28927	1.28%	0.115%
40	10.136	746	748	750	rBV2	69211	82014	3.62%	0.327%
41	10.170	750	751	753	rVB	41544	42692	1.88%	0.170%
42	10.262	758	759	761	rBV2	35699	38929	1.72%	0.155%
43	10.388	769	770	772	rBV	32114	41884	1.85%	0.167%
44	10.433	772	774	776	rVB2	32347	37965	1.68%	0.152%
45	10.513	779	781	783	rVV	1115672	1129211	49.85%	4.507%
46	10.559	783	785	787	rVB2	25107	31584	1.39%	0.126%
47	10.662	790	794	796	rBV2	111321	174692	7.71%	0.697%
48	10.731	796	800	803	rVB2	10000	25997	1.15%	0.104%
49	10.845	803	810	811	rBV4	16619	42023	1.85%	0.168%
50	10.948	816	819	820	rBV2	40918	50186	2.22%	0.200%
51	11.062	827	829	830	rBV	27108	29233	1.29%	0.117%
52	11.096	830	832	833	rVV2	57240	69272	3.06%	0.276%
53	11.119	833	834	838	rVB2	33163	39035	1.72%	0.156%
54	11.199	839	841	845	rVV	377380	529522	23.37%	2.114%
55	11.279	845	848	850	rVB2	16839	25707	1.13%	0.103%
56	11.382	855	857	859	rVB2	24040	25178	1.11%	0.100%
57	11.519	867	869	872	rVB	49869	55150	2.43%	0.220%
58	11.725	883	887	891	rBV3	51661	146818	6.48%	0.586%
59	11.805	893	894	896	rBV	50506	83226	3.67%	0.332%
60	11.919	902	904	908	rVB	38732	45949	2.03%	0.183%
61	11.999	909	911	915	rVB2	30517	44967	1.98%	0.179%
62	12.148	921	924	925	rBV3	24987	31459	1.39%	0.126%
63	12.205	925	929	930	rVV2	19831	42956	1.90%	0.171%
64	12.251	930	933	935	rVV	73044	84646	3.74%	0.338%
65	12.308	937	938	939	rVV	73934	56369	2.49%	0.225%
66	12.331	939	940	943	rVB	27305	39776	1.76%	0.159%
67	12.411	943	947	950	rBV	108135	128535	5.67%	0.513%
68	12.536	956	958	962	rBV4	16902	37020	1.63%	0.148%
69	12.628	962	966	968	rVV2	74186	115489	5.10%	0.461%
70	12.685	968	971	974	rVB2	34759	72823	3.21%	0.291%
71	12.788	978	980	983	rBV	1331398	1228804	54.24%	4.905%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.856	983	986	989	rBV3	18111	29489	1.30%	0.118%
73	12.959	989	995	997	rVB5	24388	86456	3.82%	0.345%
74	13.039	997	1002	1003	rBV2	38215	84208	3.72%	0.336%
75	13.062	1003	1004	1008	rVB	41752	47344	2.09%	0.189%
76	13.371	1025	1031	1034	rBV3	48132	120441	5.32%	0.481%
77	13.462	1036	1039	1044	rVV2	34001	76200	3.36%	0.304%
78	13.576	1046	1049	1051	rVV3	27576	51678	2.28%	0.206%
79	13.691	1057	1059	1063	rVB3	106934	148541	6.56%	0.593%
80	13.759	1063	1065	1068	rBV3	12748	30128	1.33%	0.120%
81	13.828	1068	1071	1074	rBV2	447505	515439	22.75%	2.057%
82	14.022	1086	1088	1089	rVB	24348	31196	1.38%	0.125%
83	14.079	1089	1093	1094	rBV4	18479	35969	1.59%	0.144%
84	14.217	1100	1105	1106	rBV	58254	112090	4.95%	0.447%
85	14.251	1106	1108	1109	rVV	39596	45649	2.02%	0.182%
86	14.331	1112	1115	1120	rVV3	76575	171586	7.57%	0.685%
87	14.548	1132	1134	1136	rBV2	19985	33073	1.46%	0.132%
88	14.617	1136	1140	1143	rVV4	50513	99120	4.38%	0.396%
89	14.822	1156	1158	1161	rVB	66461	102299	4.52%	0.408%
90	14.914	1165	1166	1171	rVB2	37899	62169	2.74%	0.248%
91	15.085	1179	1181	1183	rVB	60168	66570	2.94%	0.266%
92	15.142	1184	1186	1189	rVB	48319	55675	2.46%	0.222%
93	15.200	1189	1191	1194	rBV	290996	327990	14.48%	1.309%
94	15.634	1227	1229	1230	rBV	18838	25540	1.13%	0.102%
95	16.034	1263	1264	1266	rBV2	47223	35203	1.55%	0.141%
96	16.480	1301	1303	1308	rVB2	26827	53988	2.38%	0.215%
97	16.640	1313	1317	1321	rVV	88213	163444	7.21%	0.652%
98	16.857	1334	1336	1340	rBV	20645	41758	1.84%	0.167%
99	17.691	1406	1409	1414	rBV5	14126	39433	1.74%	0.157%

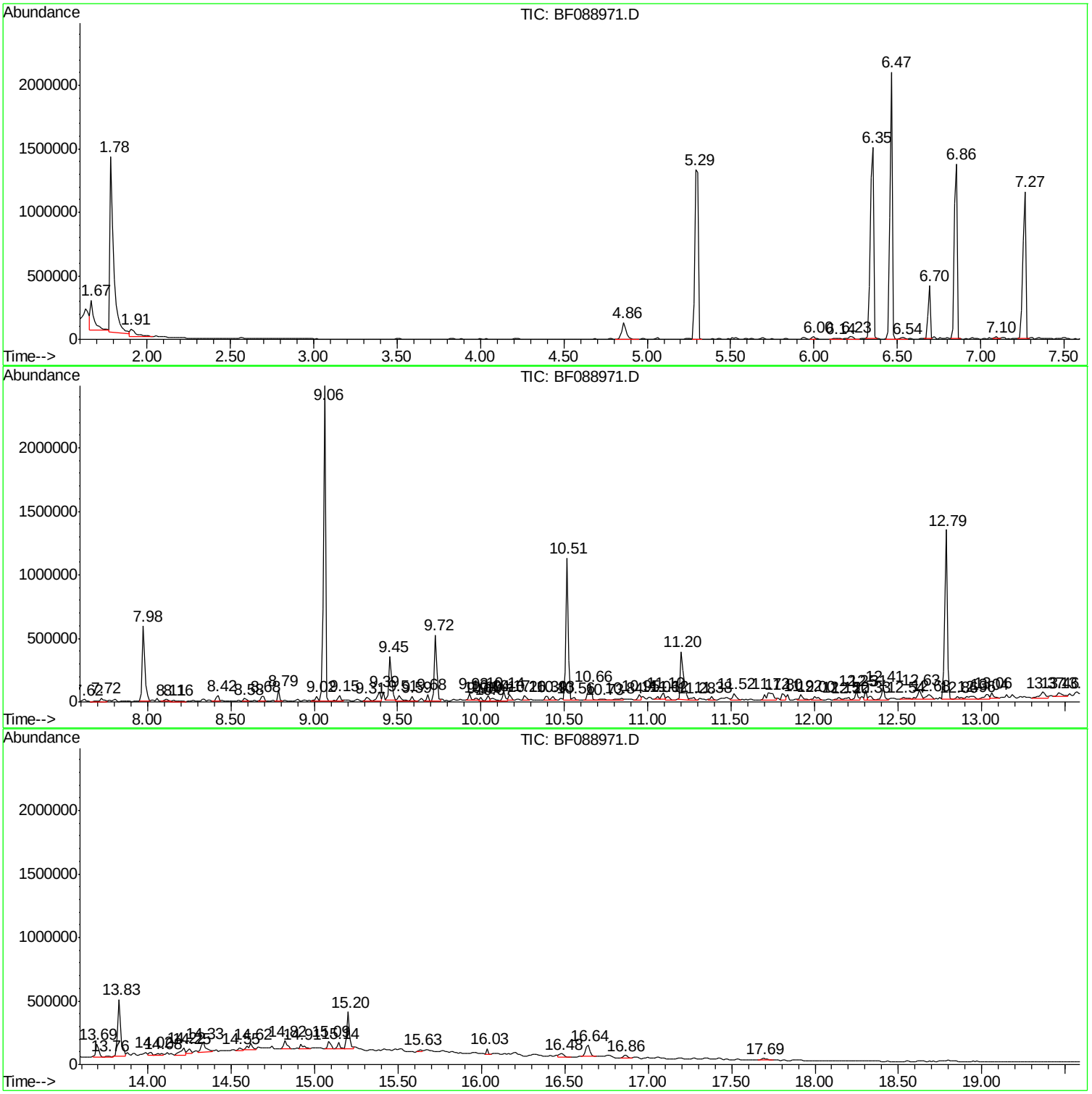
Sum of corrected areas: 25053683

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

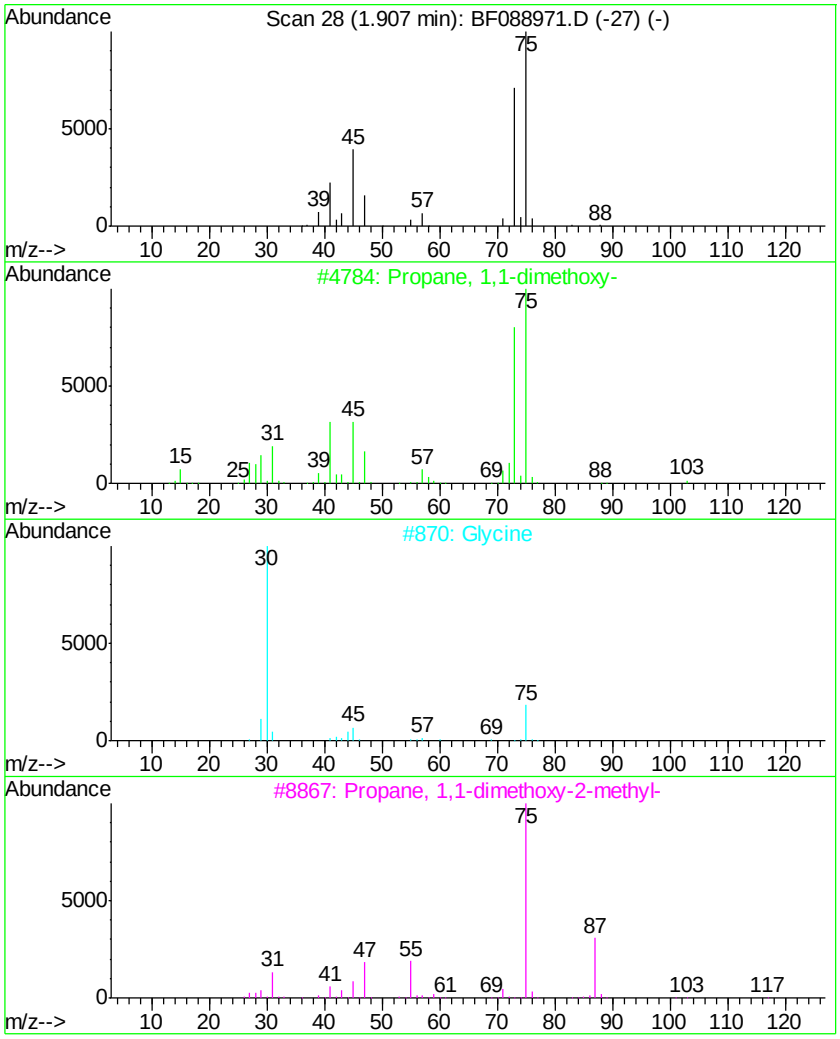
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

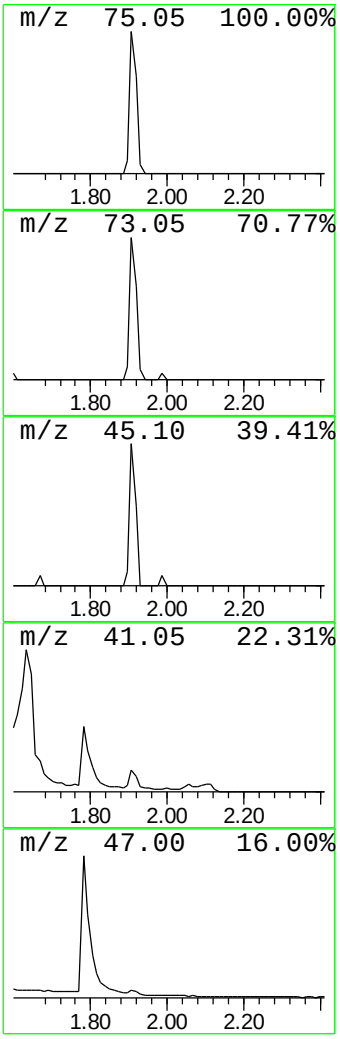
****

Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.91	6.56 ng	135658	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	Glycine	75	C2H5NO2	000056-40-6	9
3	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	9
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	4
5	Methane, nitroso-	45	CH3NO	000865-40-7	4





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

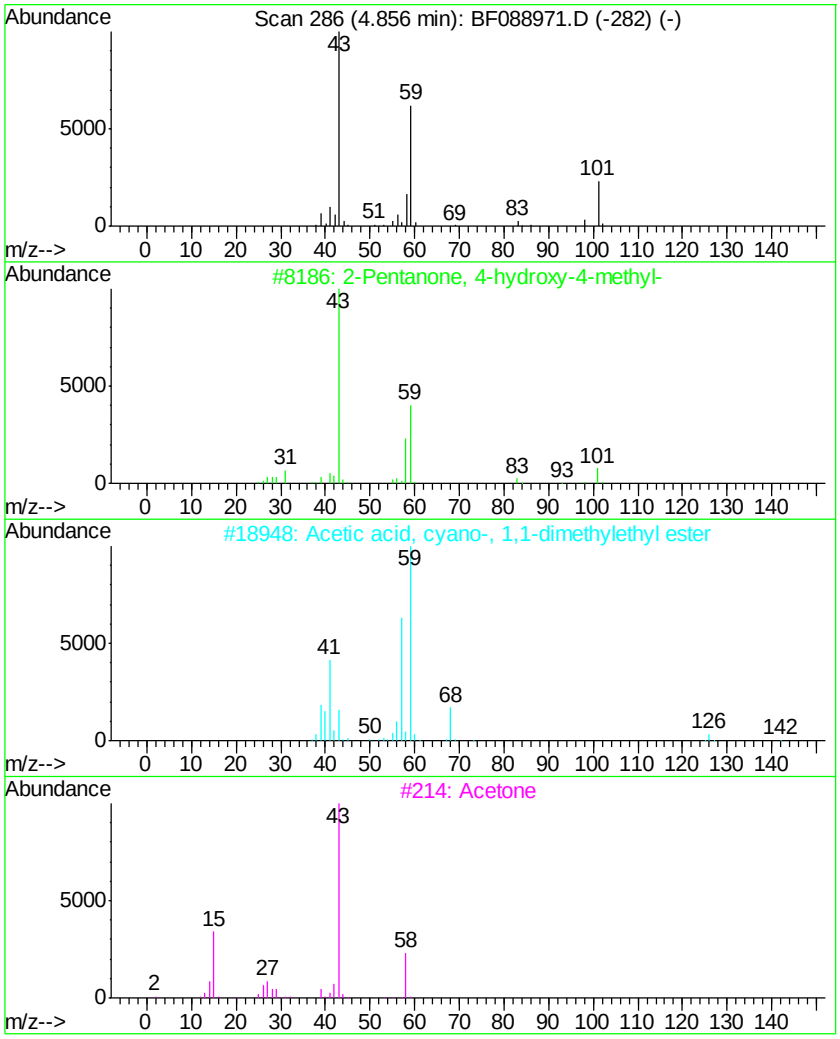
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

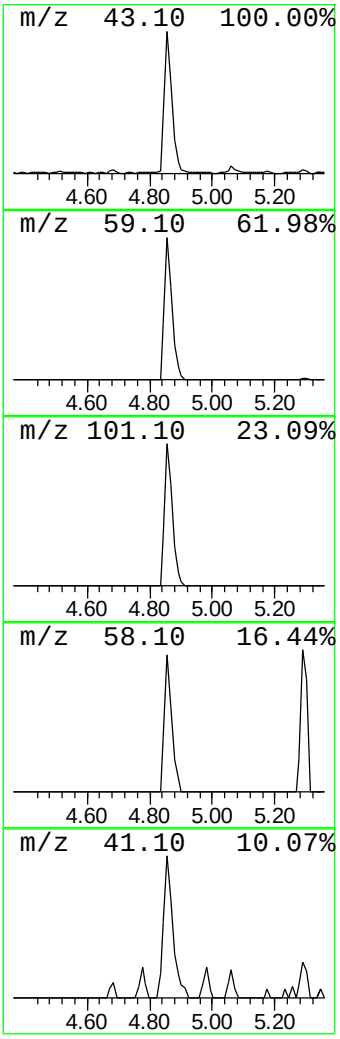
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	11.11 ng	229545	1,4-Dichlorobenzene-d4	6.70

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	25
3	Acetone	58	C3H6O	000067-64-1	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

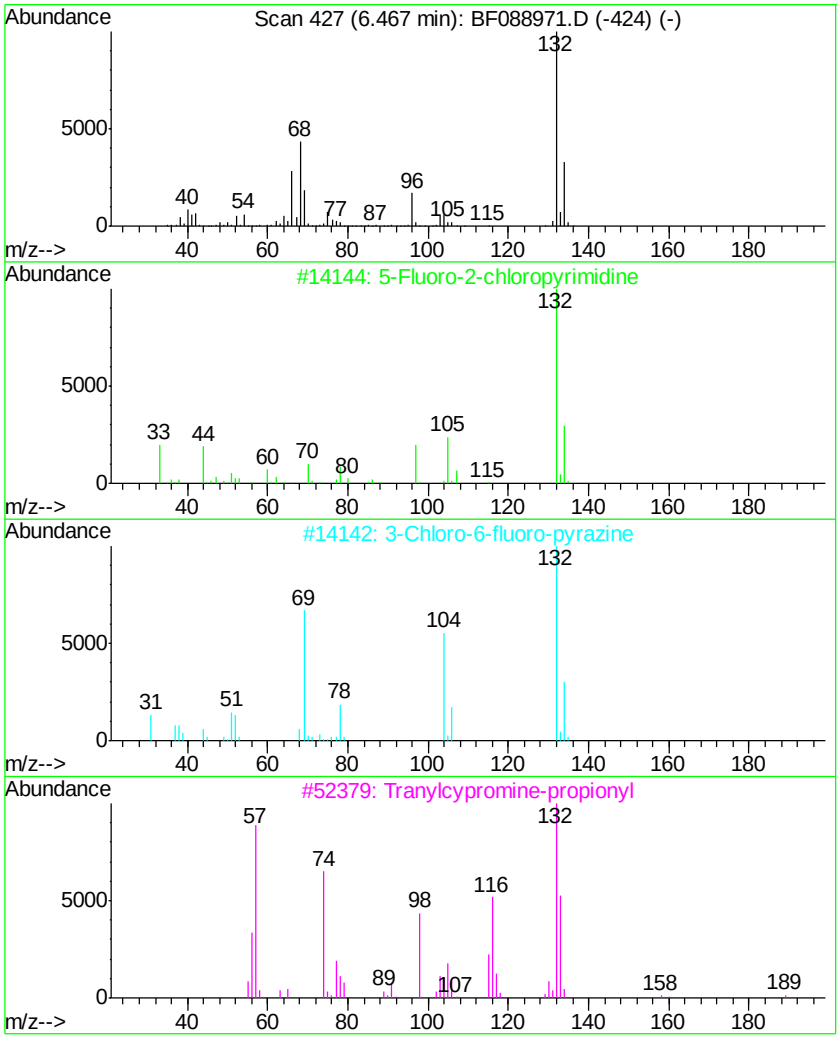
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

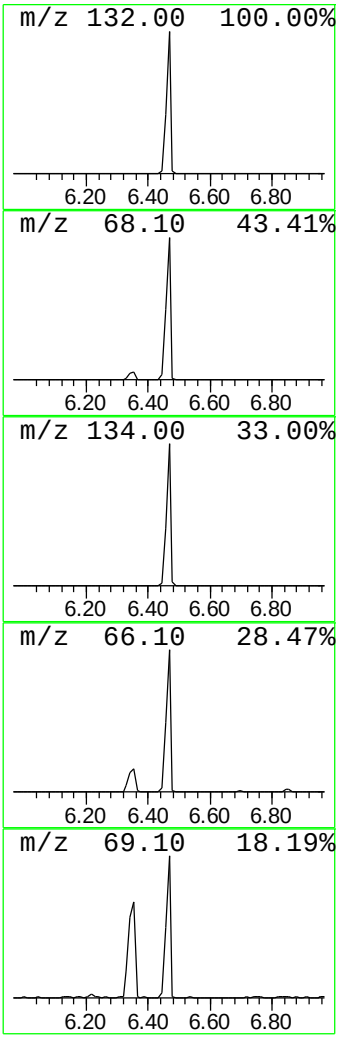
****

Peak Number 5 unknown6.47 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	104.27 ng	2154880	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	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

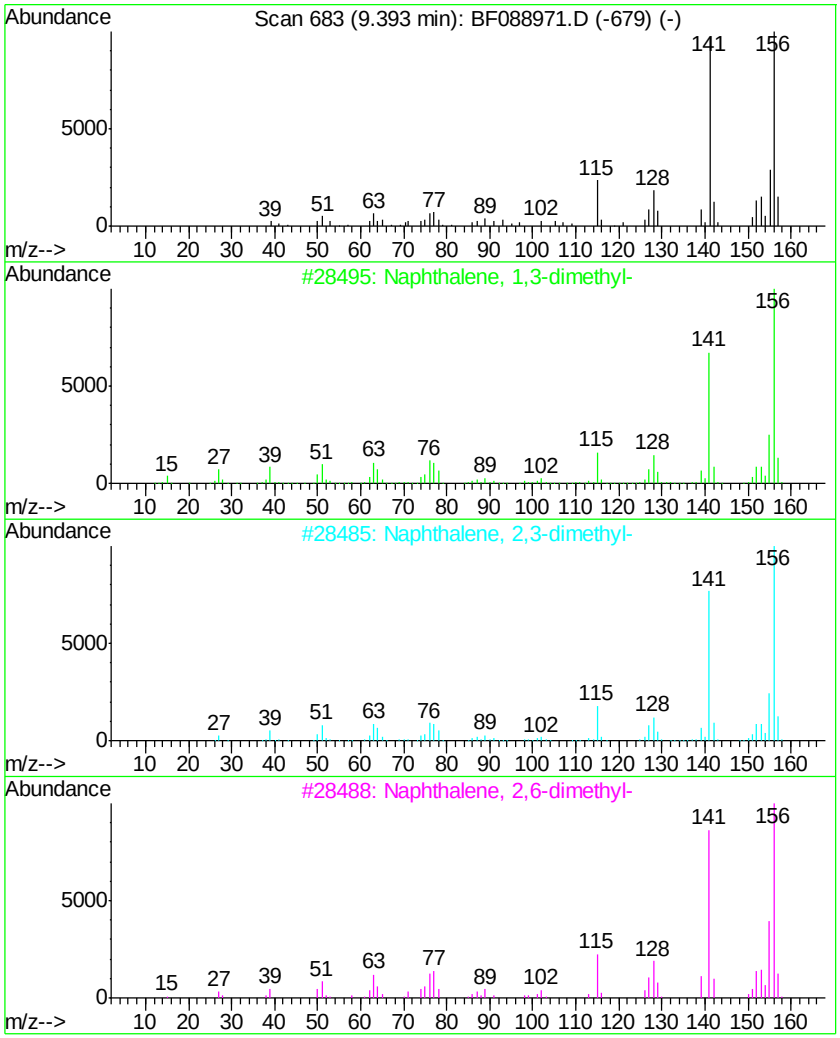
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

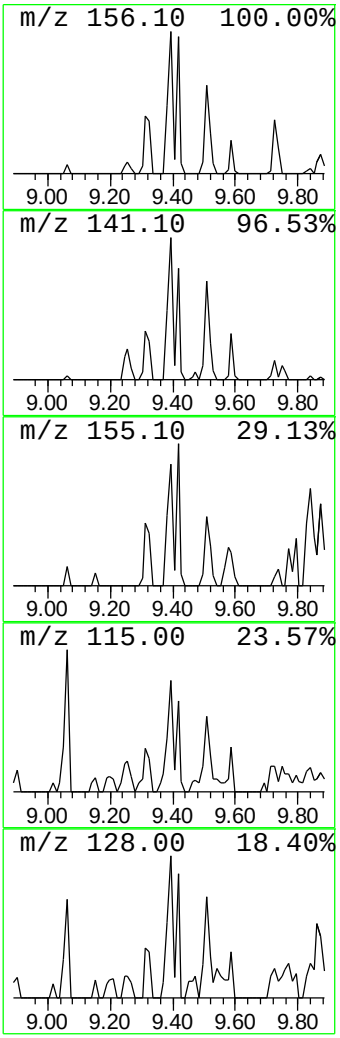
****

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	3.68 ng	104700	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

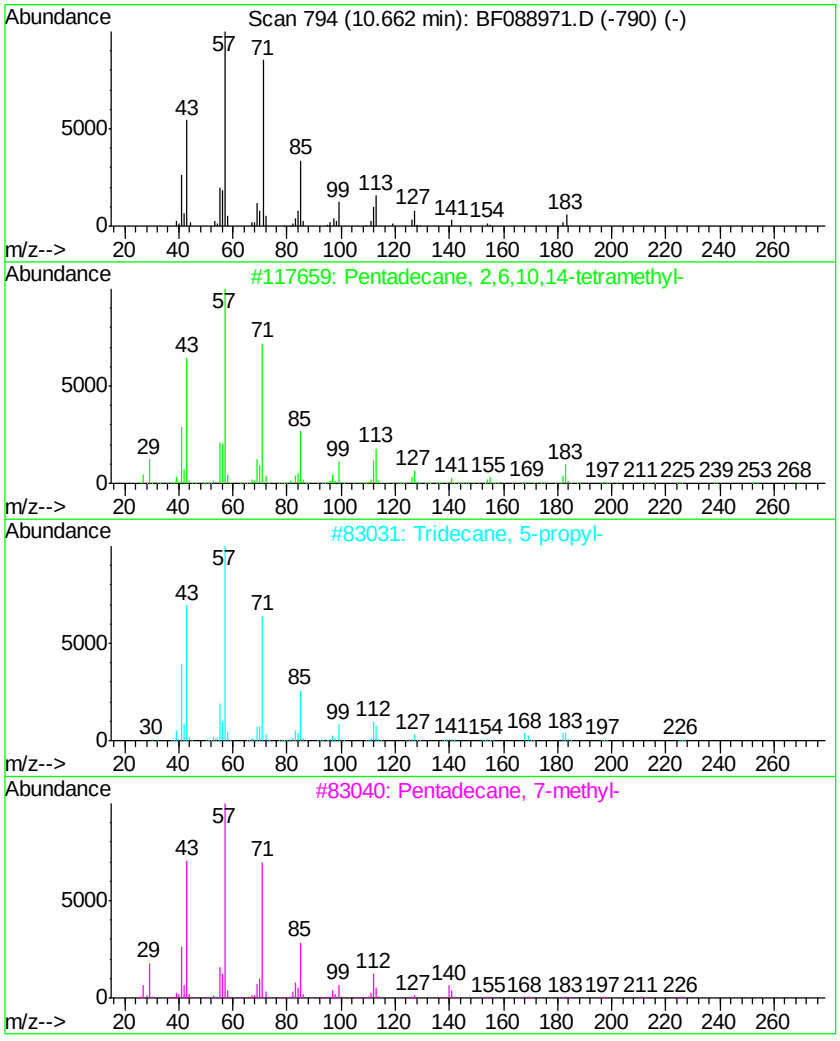
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

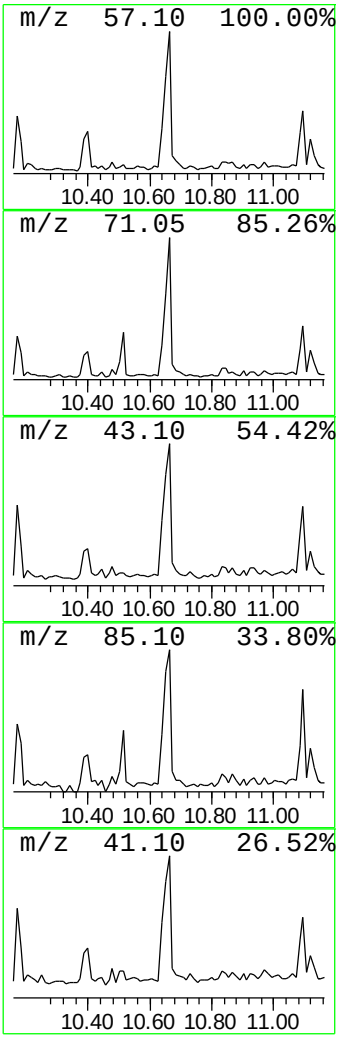
****

Peak Number 8 Pentadecane, 2,6,10,14-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	6.60 ng	174692	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	86
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

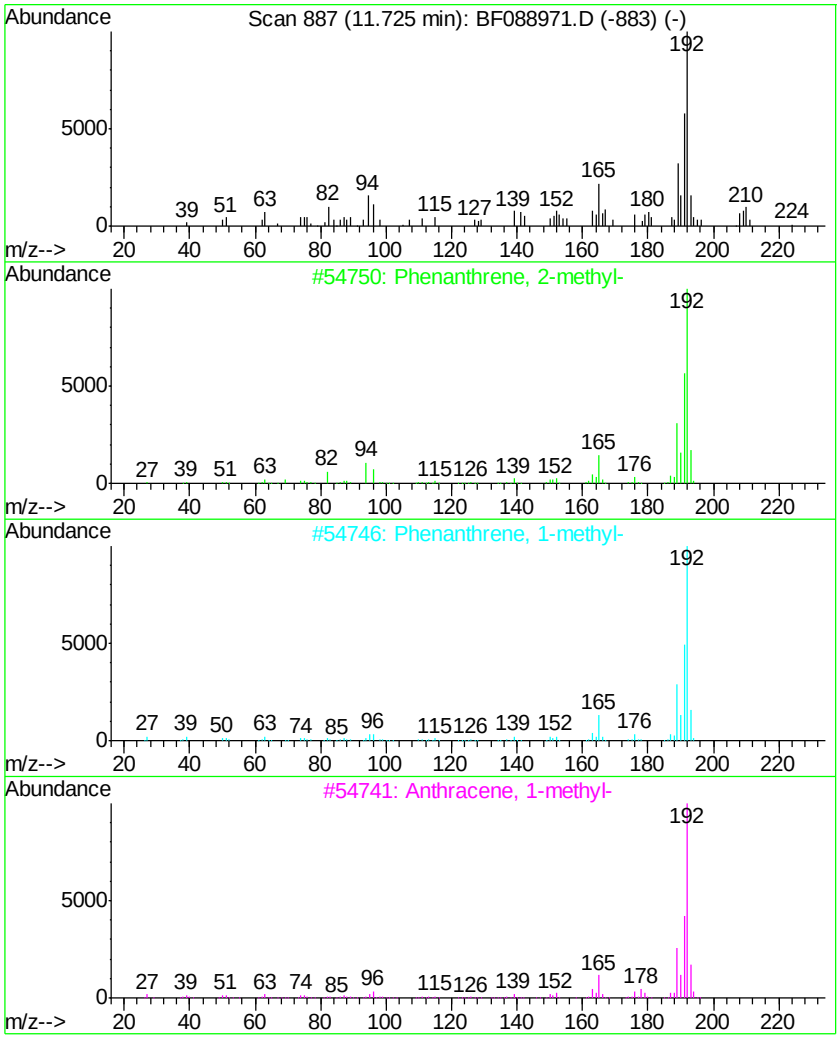
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

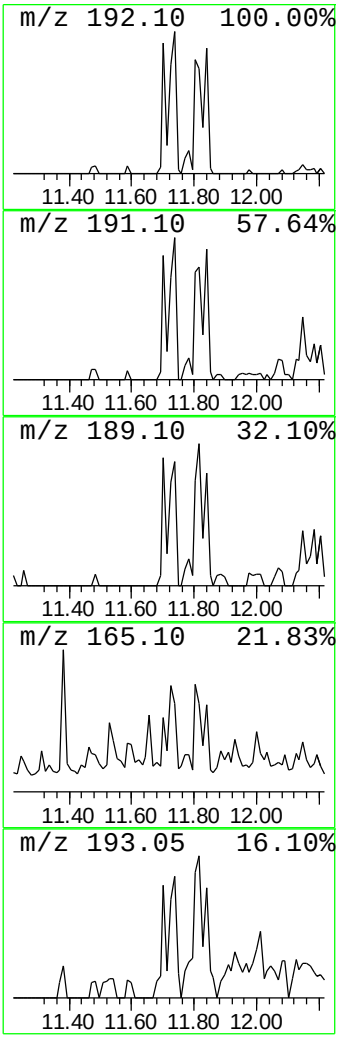
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	5.55 ng	146818	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

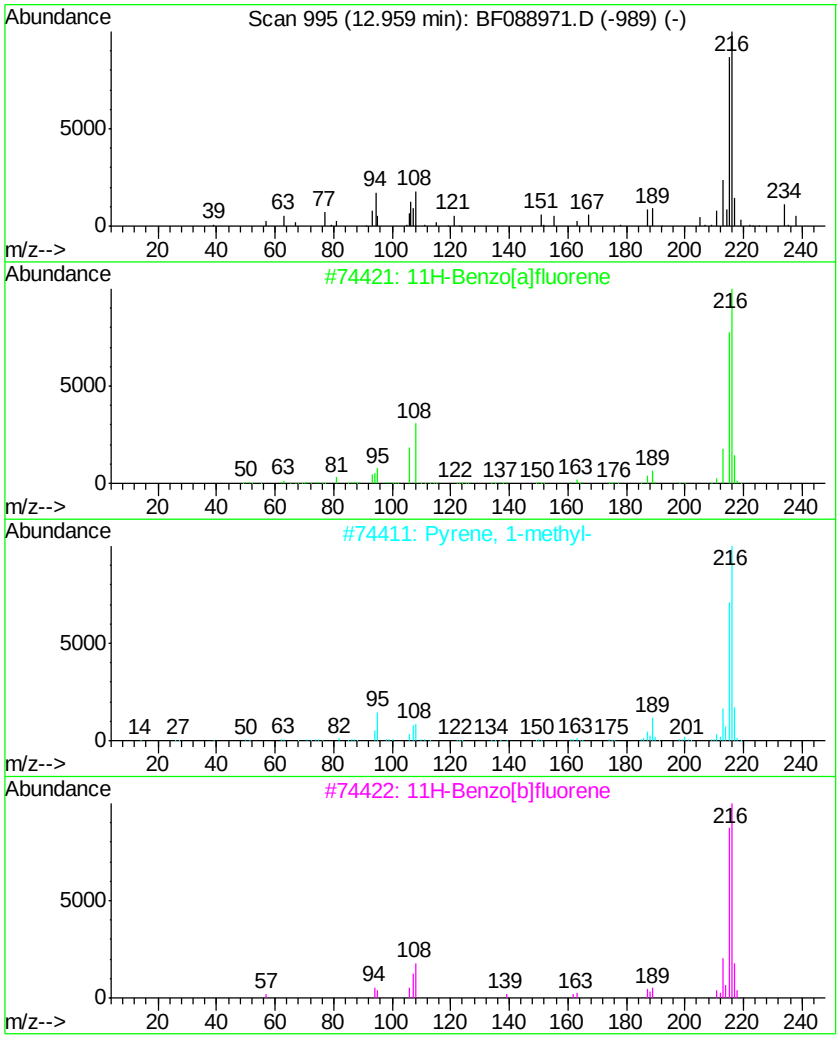
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

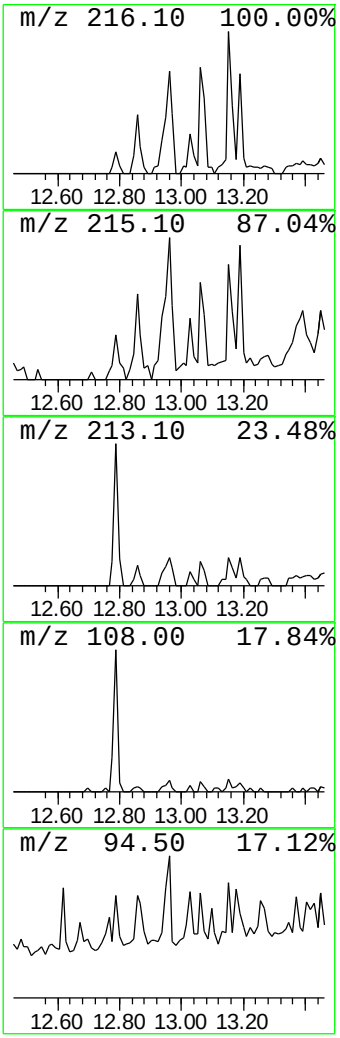
****

Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.35 ng	86456	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

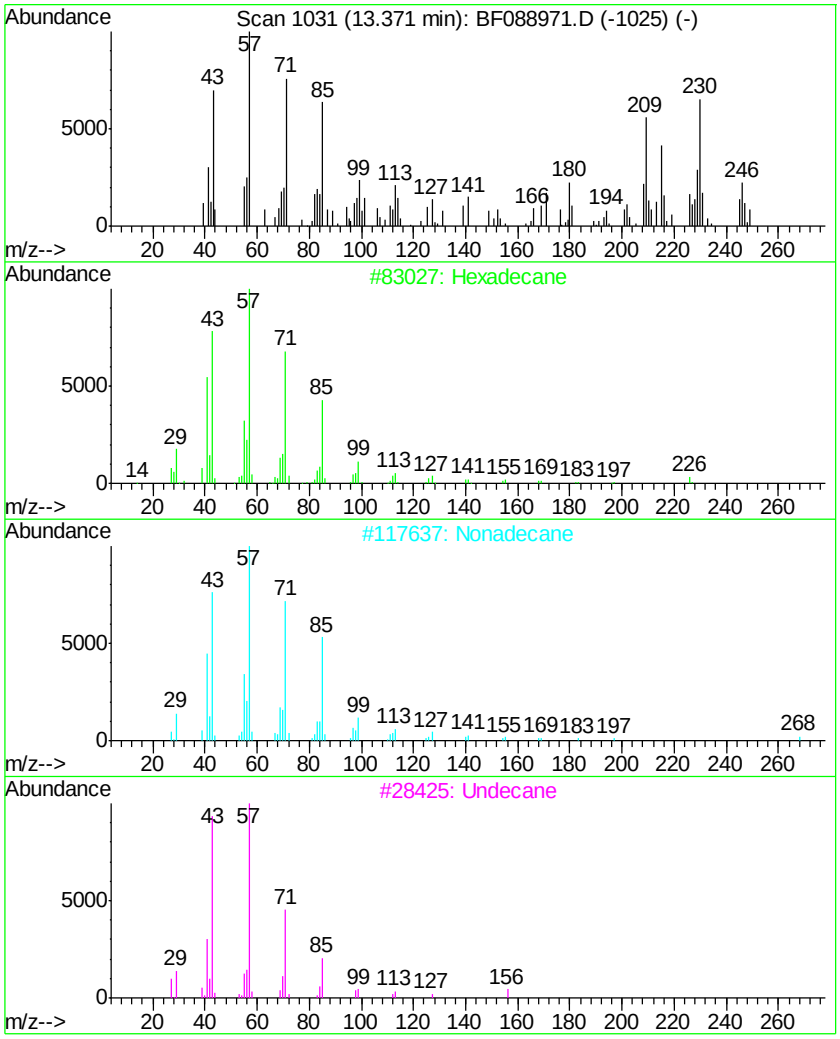
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

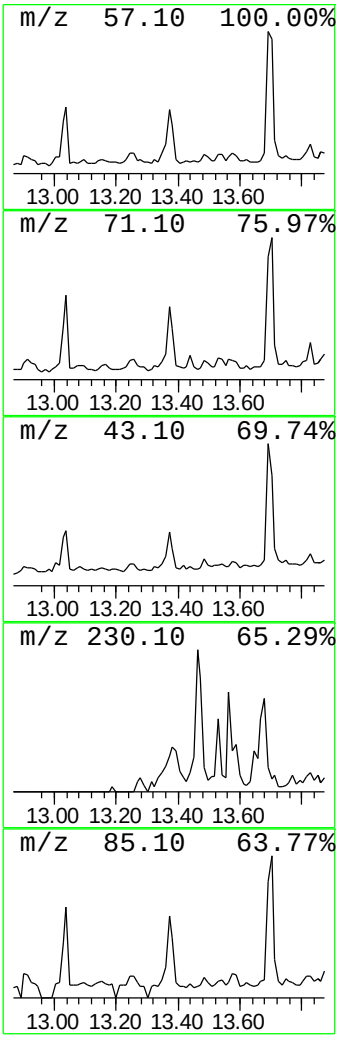
****

Peak Number 12 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	4.67 ng	120441	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	72
2	Nonadecane	268	C19H40	000629-92-5	25
3	Undecane	156	C11H24	001120-21-4	22
4	Heneicosane	296	C21H44	000629-94-7	22
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

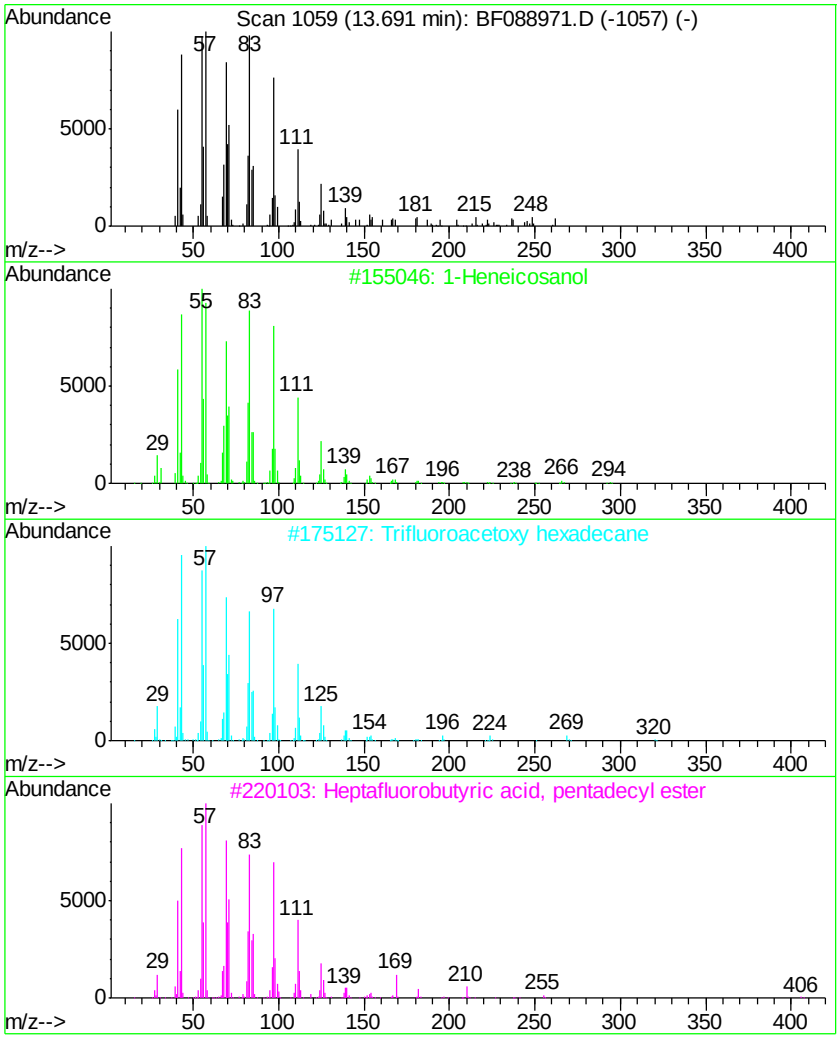
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

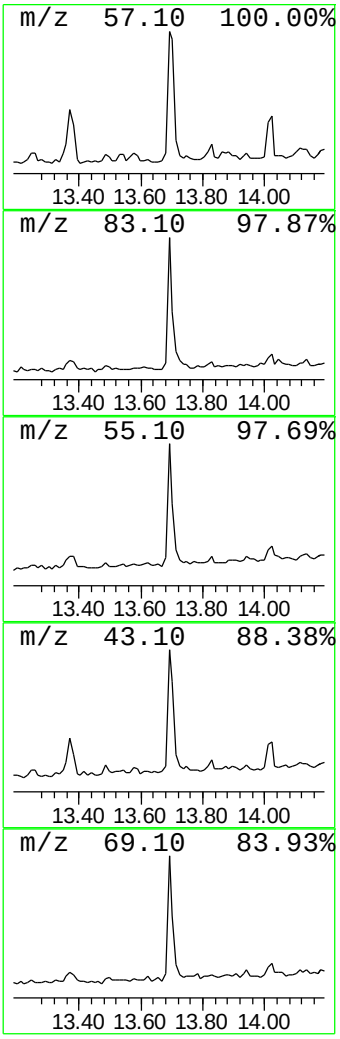
****

Peak Number 13 1-Heneicosanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	5.76 ng	148541	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
4	1-Octadecanol	270	C18H38O	000112-92-5	93
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

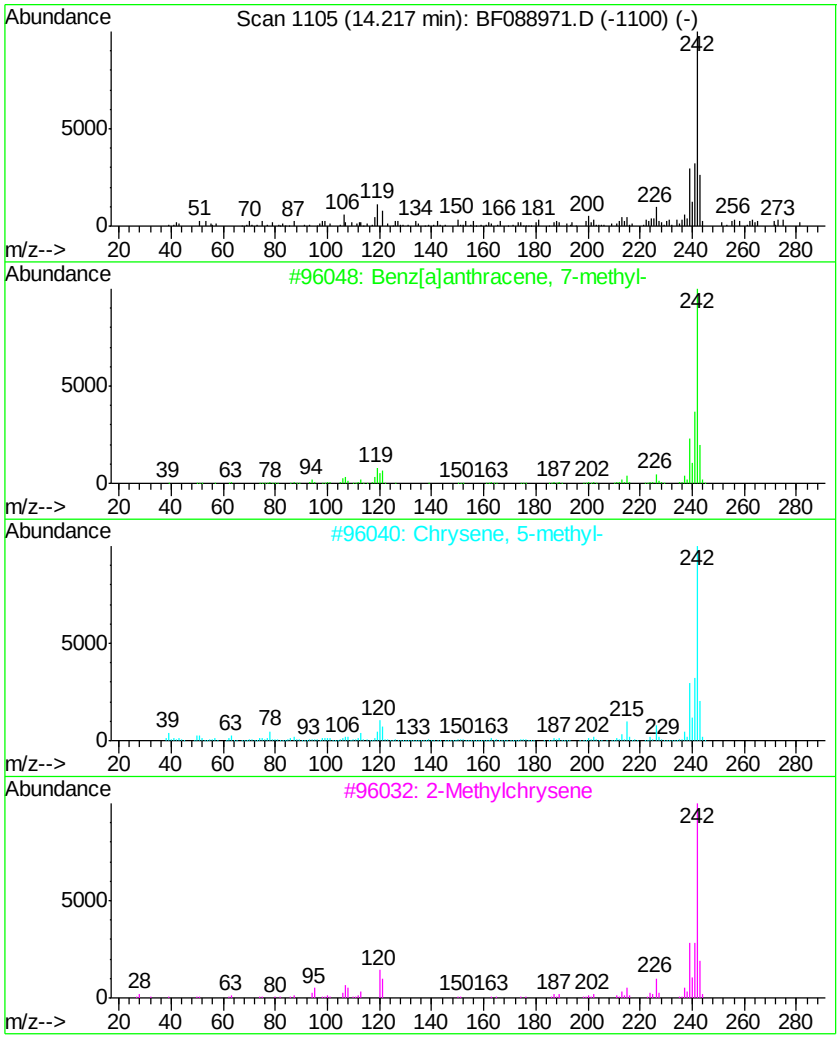
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

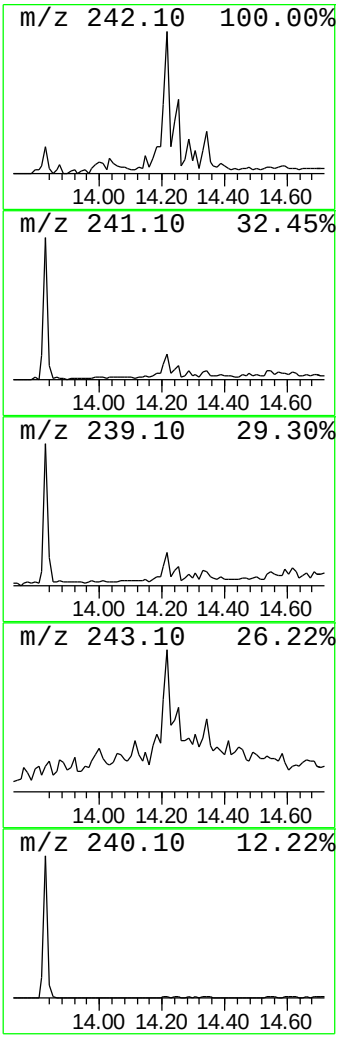
****

Peak Number 14 Benz[a]anthracene, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	4.35 ng	112090	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
3	2-Methylchrysene	242	C19H14	003351-32-4	89
4	Benzo[c]phenanthrene, 3-methyl-	242	C19H14	002381-19-3	89
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

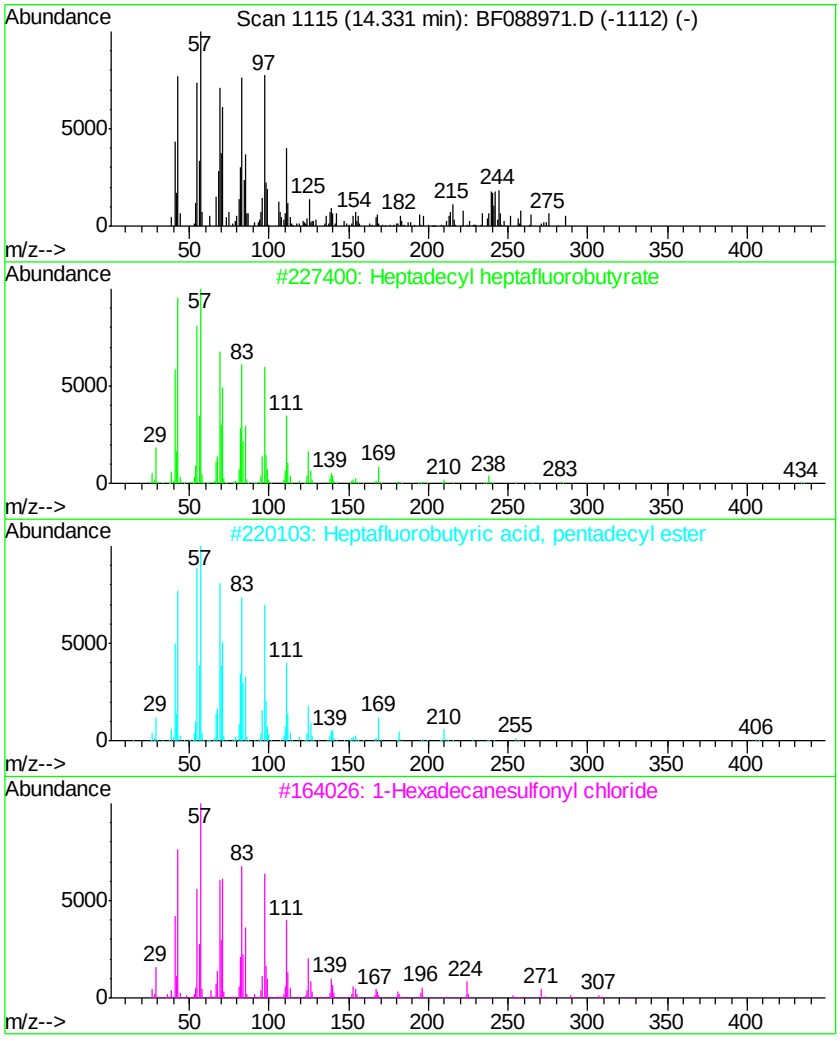
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

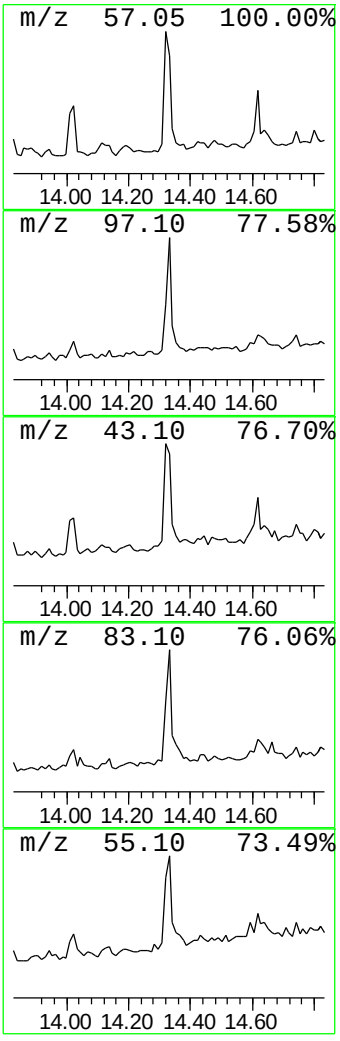
****

Peak Number 15 Heptadecyl heptafluorobutyrate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	6.66 ng	171586	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
3	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	90
4	1-Hexadecanethiol	258	C16H34S	002917-26-2	90
5	1-Pentadecanethiol	244	C15H32S	025276-70-4	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

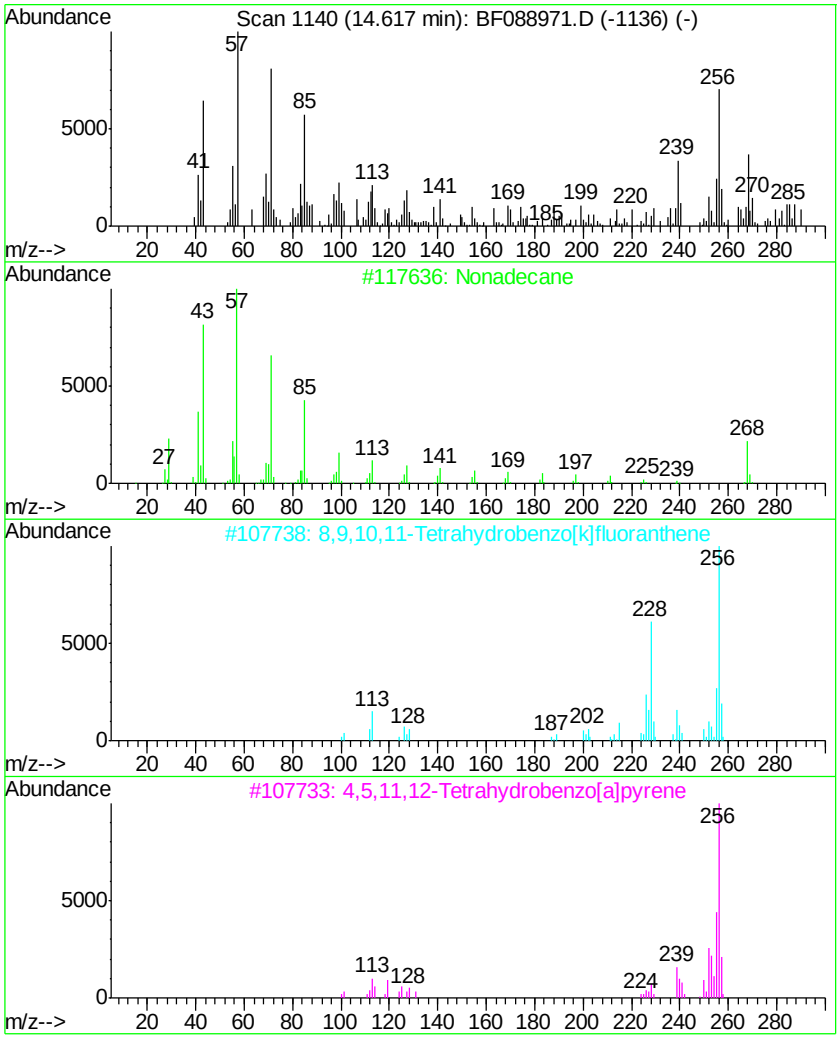
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

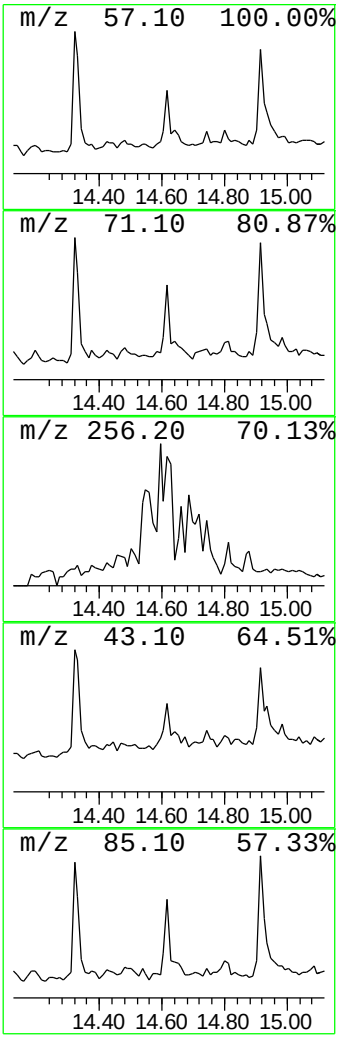
****

Peak Number 16 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	6.04 ng	99120	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	64
2	8,9,10,11-Tetrahydrobenzo[k]fluo...	256	C20H16	033942-81-3	45
3	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	43
4	Octadecane, 3-methyl-	268	C19H40	006561-44-0	38
5	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

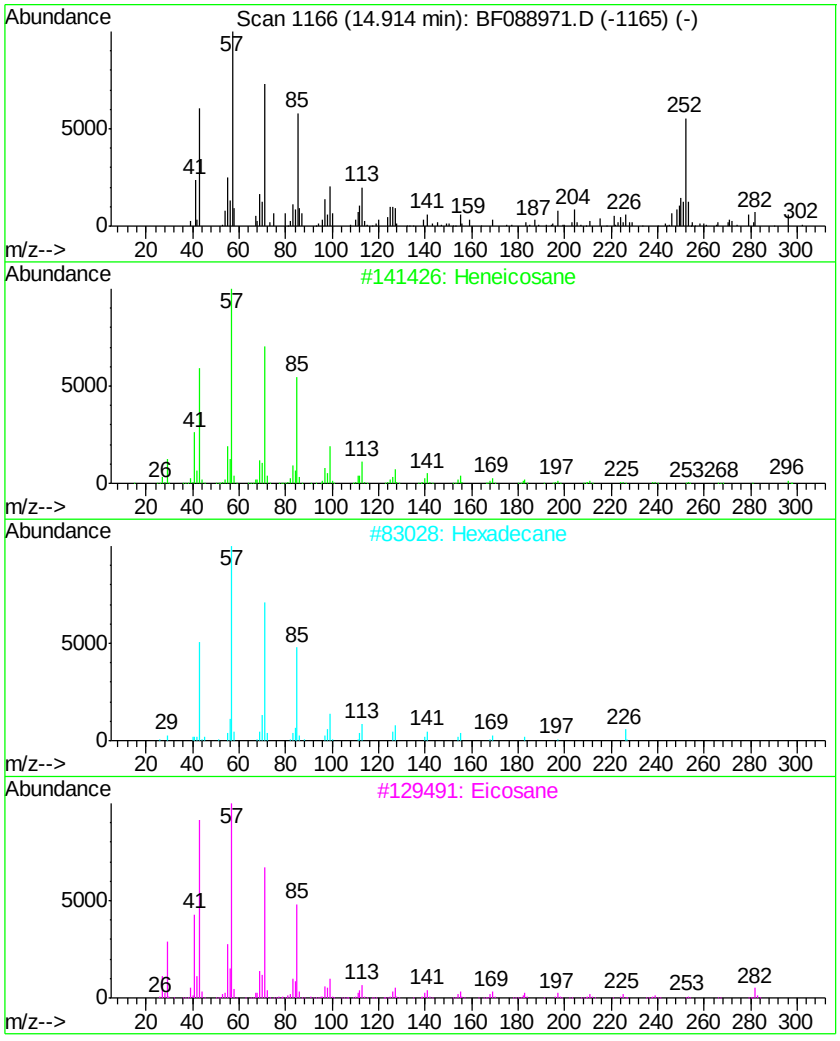
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

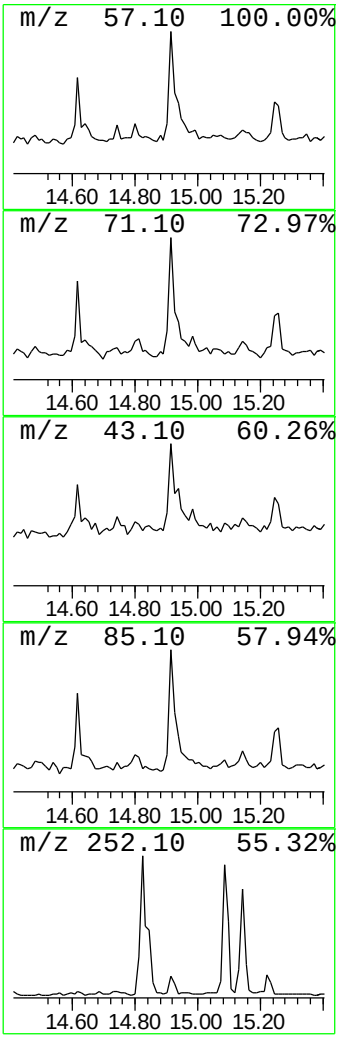
****

Peak Number 17 Heneicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	3.79 ng	62169	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Hexadecane	226	C16H34	000544-76-3	95
3	Eicosane	282	C20H42	000112-95-8	89
4	Octadecane	254	C18H38	000593-45-3	70
5	Octacosane	394	C28H58	000630-02-4	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

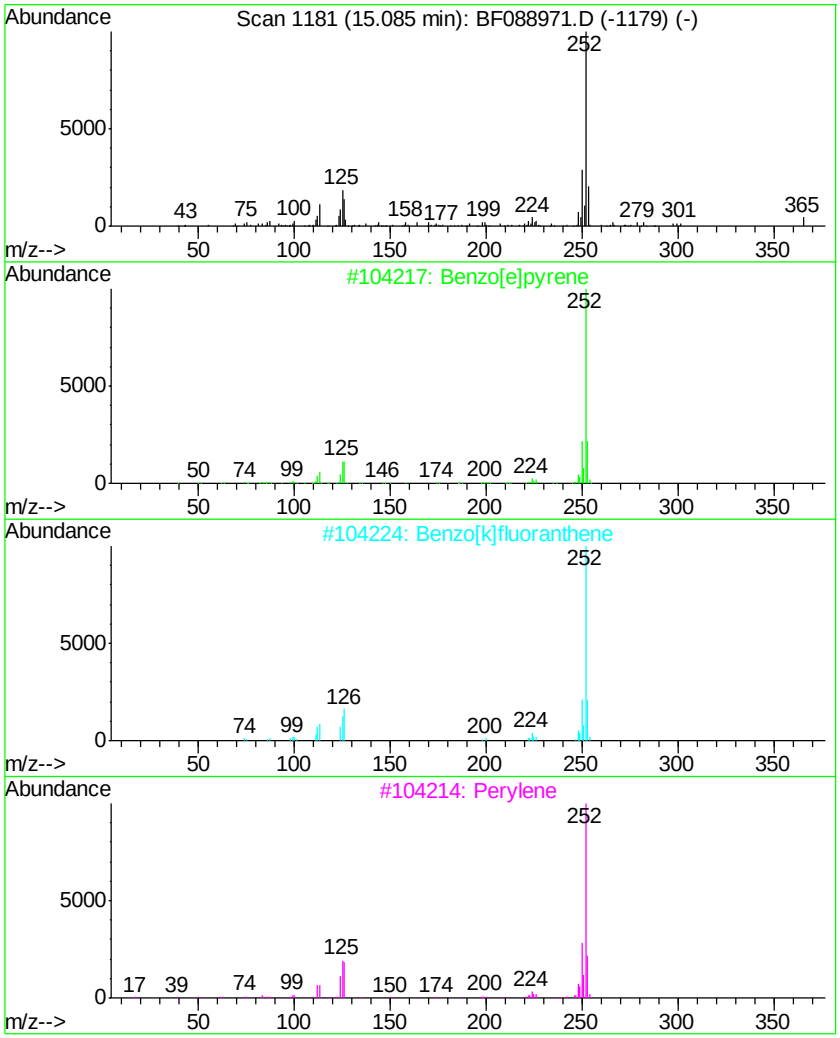
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

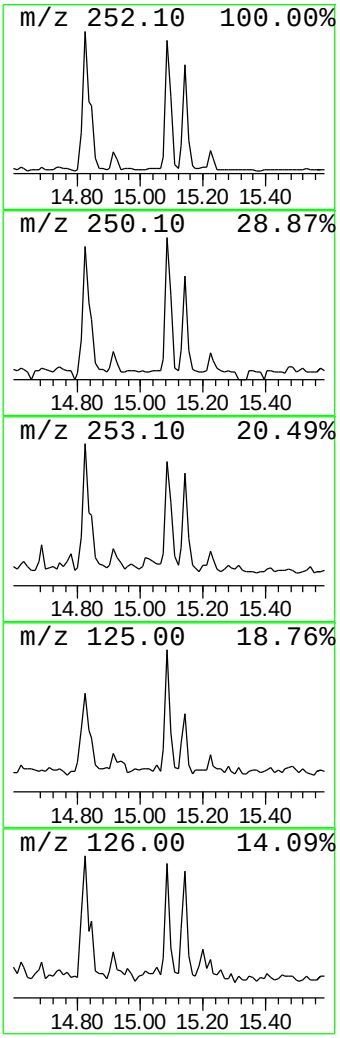
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	4.06 ng	66570	Perylene-d12	15.20

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

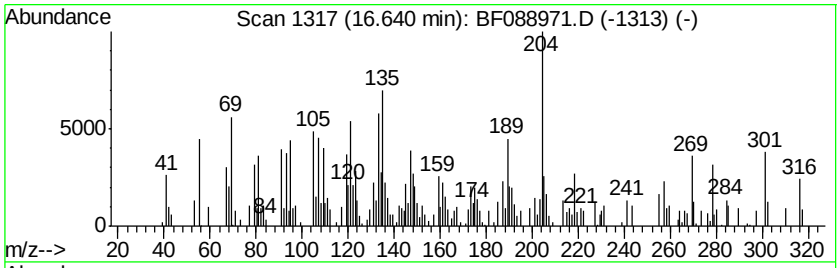
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

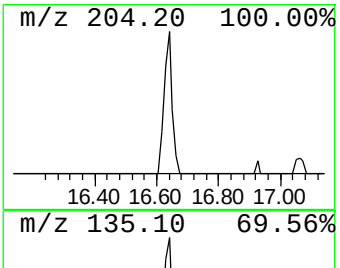
****

Peak Number 20 Naphthalene, decahydro-4a-m... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	9.97 ng	163444	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	52
2	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	50
3	Farnesyl bromide	284	C15H25Br	006874-67-5	50
4	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	49
5	1H-3a,7-Methanoazulene, 2,3,6,7,...	204	C15H24	000560-32-7	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C4.2-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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
Propane, 1,1-dime...	1.91	6.6	ng	135658	1	6.70	413326	20.0
2-Pentanone, 4-hy...	4.86	11.1	ng	229545	1	6.70	413326	20.0
unknown6.47	6.47	104.3	ng	2154880	1	6.70	413326	20.0
Naphthalene, 1,3-...	9.39	3.7	ng	104700	3	9.72	569565	20.0
Pentadecane, 2,6,...	10.66	6.6	ng	174692	4	11.20	529522	20.0
Phenanthrene, 2-m...	11.72	5.5	ng	146818	4	11.20	529522	20.0
11H-Benzo[a]fluorene	12.96	3.4	ng	86456	5	13.83	515439	20.0
Hexadecane	13.37	4.7	ng	120441	5	13.83	515439	20.0
1-Heneicosanol	13.69	5.8	ng	148541	5	13.83	515439	20.0
Benz[a]anthracene...	14.22	4.3	ng	112090	5	13.83	515439	20.0
Heptadecyl heptaf...	14.33	6.7	ng	171586	5	13.83	515439	20.0
Nonadecane	14.62	6.0	ng	99120	6	15.20	327990	20.0
Heneicosane	14.91	3.8	ng	62169	6	15.20	327990	20.0
Benzo[e]pyrene	15.09	4.1	ng	66570	6	15.20	327990	20.0
Naphthalene, deca...	16.64	10.0	ng	163444	6	15.20	327990	20.0