LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

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-BF060716.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	1.713	10	11	58	rVB	1250748	2927652	100.00%	7.891%
2	4.730	273	275	286	rBV	54831	110477	3.77%	0.298%
3	5.176	312	314	331	rBV	1465643	1842299	62.93%	4.966%
4	6.250	406	408	415	rBV	1235597	1930281	65.93%	5.203%
5	6.353	415	417	435	rVB	1501224	2069656	70.69%	5.579%
6	6.582	435	437	447	rVB	354600	469163	16.03%	1.265%
7	6.742	449	451	453	rBV	1249774	1479030	50.52%	3.987%
8	7.164	485	488	490	rBV	991734	1323641	45.21%	3.568%
9	7.873	547	550	562	rBV	551148	680837	23.26%	1.835%
10	8.948	641	644	650	rBV	1805891	1885417	64.40%	5.082%
11	9.348	677	679	682	rBV	329909	310527	10.61%	0.837%
12	9.473	688	690	693	rBV	106699	137254	4.69%	0.370%
13	9.610	700	702	705	rBV	590228	723664	24.72%	1.951%
14	10.159	748	750	754	rVB2	34692	47571	1.62%	0.128%
15	10.411	769	772	774	rBV	983995	1334792	45.59%	3.598%
16	10.536	780	783	786	rVB2	43461	78446	2.68%	0.211%
17	10.708	796	798	804	rBV3	25767	66322	2.27%	0.179%
18	10.856	807	811	814	rVV2	34650	76410	2.61%	0.206%
19	10.948	817	819	820	rVV	33396	33013	1.13%	0.089%
20	10.993	822	823	826	rVB2	25787	33565	1.15%	0.090%
21	11.096	829	832	837	rBV2	595742	1274746	43.54%	3.436%
22	11.165	837	838	840	rVV	134318	150083	5.13%	0.405%
23	11.199	840	841	845	rVB3	19993	31028	1.06%	0.084%
24	11.336	850	853	856	rBV3	58816	120871	4.13%	0.326%
25	11.393	856	858	861	rVB4	17479	30637	1.05%	0.083%
26	11.588	874	875	877	rBV	109068	147032	5.02%	0.396%
27	11.622	877	878	880	rVB	163650	134173	4.58%	0.362%
28	11.668	880	882	883	rBV	83338	70120	2.40%	0.189%
29	11.702	883	885	890	rVB2	245627	385906	13.18%	1.040%
30	11.805	890	894	898	rBV5	23593	70025	2.39%	0.189%
31	11.885	900	901	903	rVB	93990	87737	3.00%	0.236%
32	11.919	903	904	907	rBV	48936	66981	2.29%	0.181%
33	12.034	911	914	916	rBV	44298	66943	2.29%	0.180%
34	12.068	916	917	918	rVB	55146	37803	1.29%	0.102%

LSC Area Percent Report

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Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.136	921	923	925	rBV	138985	179947	6.15%	0.485%
36	12.171	925	926	930	rVB2	53691	104119	3.56%	0.281%
37	12.228	930	931	935	rVB	110685	158670	5.42%	0.428%
38	12.296	935	937	940	rBV	1246568	1744386	59.58%	4.702%
39	12.399	944	946	948	rVB	70055	85156	2.91%	0.230%
40	12.445	948	950	954	rBV3	87766	118552	4.05%	0.320%
41	12.525	954	957	960	rBV2	1405002	1721590	58.80%	4.640%
42	12.582	960	962	964	rVB	92456	125303	4.28%	0.338%
43	12.674	965	970	974	rVB	1389649	1539335	52.58%	4.149%
44	12.742	974	976	979	rBV2	149795	276787	9.45%	0.746%
45	12.856	982	986	988	rVB2	237754	426394	14.56%	1.149%
46	12.925	988	992	993	rBV	117203	197301	6.74%	0.532%
47	12.959	993	995	999	rVB	198570	272364	9.30%	0.734%
48	13.051	1001	1003	1004	rVB2	84256	94178	3.22%	0.254%
49	13.074	1004	1005	1010	rVB3	88101	164537	5.62%	0.443%
50	13.154	1010	1012	1016	rVB3	61904	92400	3.16%	0.249%
51	13.257	1016	1021	1026	rBV4	57998	220401	7.53%	0.594%
52	13.337	1026	1028	1029	rBV	28915	32534	1.11%	0.088%
53	13.371	1029	1031	1034	rVB	162634	188171	6.43%	0.507%
54	13.474	1037	1040	1043	rBV2	149003	350569	11.97%	0.945%
55	13.577	1048	1049	1053	rVB2	173624	218195	7.45%	0.588%
56	13.645	1053	1055	1058	rVB3	26292	42157	1.44%	0.114%
57	13.714	1058	1061	1063	rBV2	937414	1628478	55.62%	4.389%
58	13.748	1063	1064	1068	rVB	672164	576382	19.69%	1.554%
59	13.817	1068	1070	1072	rVB2	61010	92085	3.15%	0.248%
60	13.874	1073	1075	1078	rBV3	85028	124101	4.24%	0.335%
61	13.931	1078	1080	1081	rVV	57799	48373	1.65%	0.130%
62	13.954	1081	1082	1084	rVB2	23368	32568	1.11%	0.088%
63	14.102	1091	1095	1097	rBV	157127	294672	10.07%	0.794%
64	14.205	1101	1104	1105	rVV2	44398	104759	3.58%	0.282%
65	14.228	1105	1106	1109	rVV2	90944	126848	4.33%	0.342%
66	14.297	1111	1112	1115	rVB3	43412	58820	2.01%	0.159%
67	14.434	1119	1124	1127	rBV3	64999	171839	5.87%	0.463%
68	14.502	1127	1130	1133	rVB3	34284	91813	3.14%	0.247%
69	14.582	1135	1137	1139	rVB	98226	90386	3.09%	0.244%
70	14.720	1146	1149	1153	rBV	675793	1307989	44.68%	3.526%
71	14.811	1155	1157	1159	rVB	136437	145257	4.96%	0.392%

LSC Area Percent Report

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Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.891	1162	1164	1166	rBV2	38060	82235	2.81%	0.222%
73	14.971	1169	1171	1174	rBV	372860	435493	14.88%	1.174%
74	15.028	1174	1176	1179	rBV	482387	566131	19.34%	1.526%
75	15.085	1179	1181	1182	rBV	287503	439185	15.00%	1.184%
76	15.234	1192	1194	1195	rBV2	29696	41469	1.42%	0.112%
77	15.268	1195	1197	1200	rVB2	30257	57090	1.95%	0.154%
78	15.348	1202	1204	1206	rVB2	21977	30236	1.03%	0.081%
79	15.462	1211	1214	1215	rBV2	22676	44264	1.51%	0.119%
80	15.554	1221	1222	1227	rVB2	34893	51944	1.77%	0.140%
81	15.977	1257	1259	1261	rBV2	15707	32535	1.11%	0.088%
82	16.023	1261	1263	1265	rVV2	23714	44727	1.53%	0.121%
83	16.068	1265	1267	1270	rVB2	36799	68607	2.34%	0.185%
84	16.160	1270	1275	1277	rBV2	48361	112332	3.84%	0.303%
85	16.240	1280	1282	1287	rVV4	23270	52908	1.81%	0.143%
86	16.331	1287	1290	1294	rVV	247799	464654	15.87%	1.252%
87	16.388	1294	1295	1298	rVB	24504	37924	1.30%	0.102%
88	16.468	1298	1302	1305	rBV2	45053	108954	3.72%	0.294%
89	16.525	1305	1307	1310	rVV2	45663	90665	3.10%	0.244%
90	16.594	1310	1313	1317	rVV4	25124	67299	2.30%	0.181%
91	16.697	1320	1322	1332	rVV	150740	371790	12.70%	1.002%
92	16.845	1332	1335	1338	rVV3	14567	40243	1.37%	0.108%
93	16.925	1338	1342	1348	rVV2	39081	103530	3.54%	0.279%
94	17.360	1377	1380	1386	rVB3	8285	31343	1.07%	0.084%
95	18.606	1479	1489	1494	rBV	38229	144652	4.94%	0.390%
96	18.788	1500	1505	1509	rBV	24948	98588	3.37%	0.266%

Sum of corrected areas: 37100316

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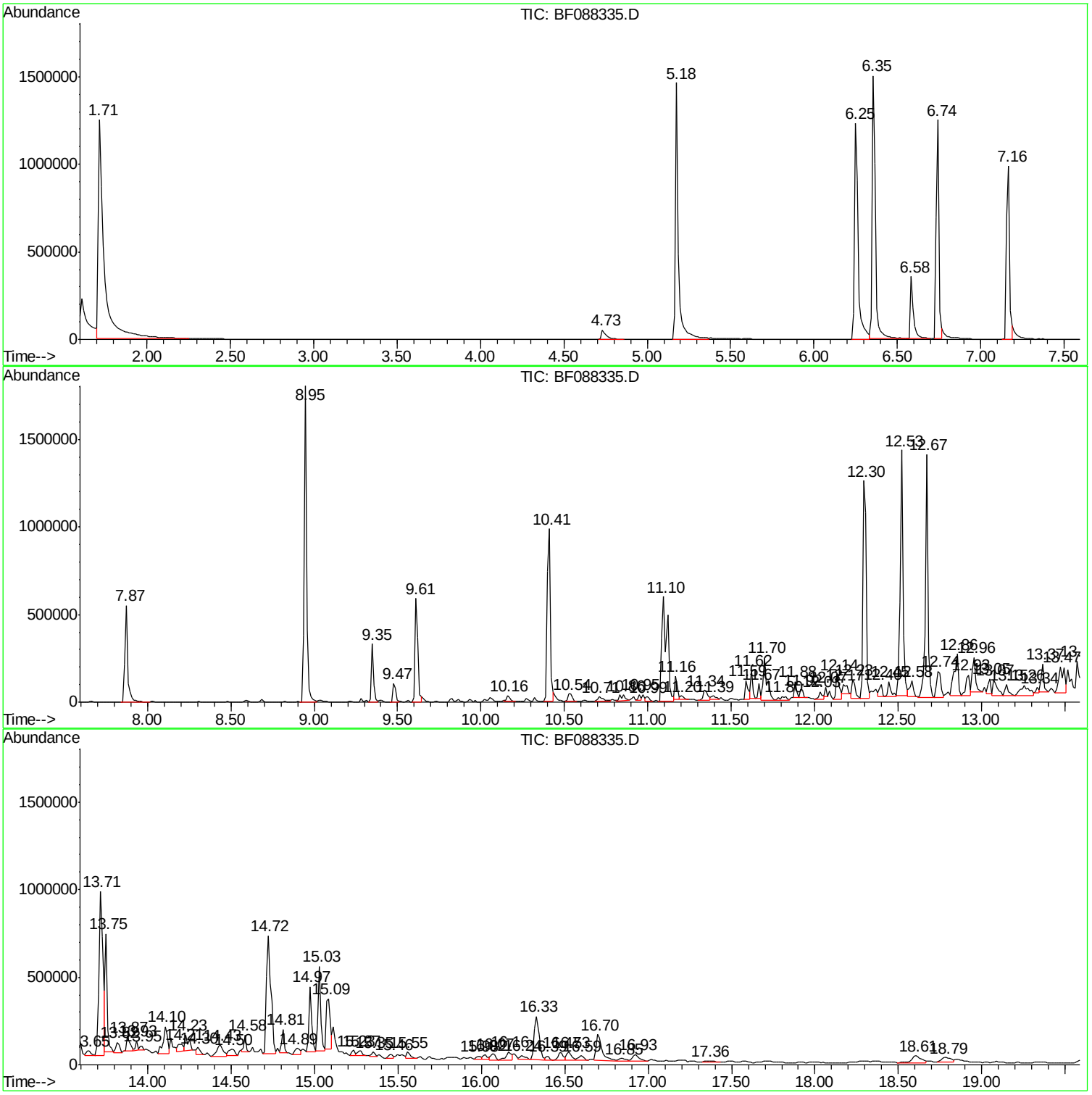
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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\BF062416\
Data File : BF088335.D
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Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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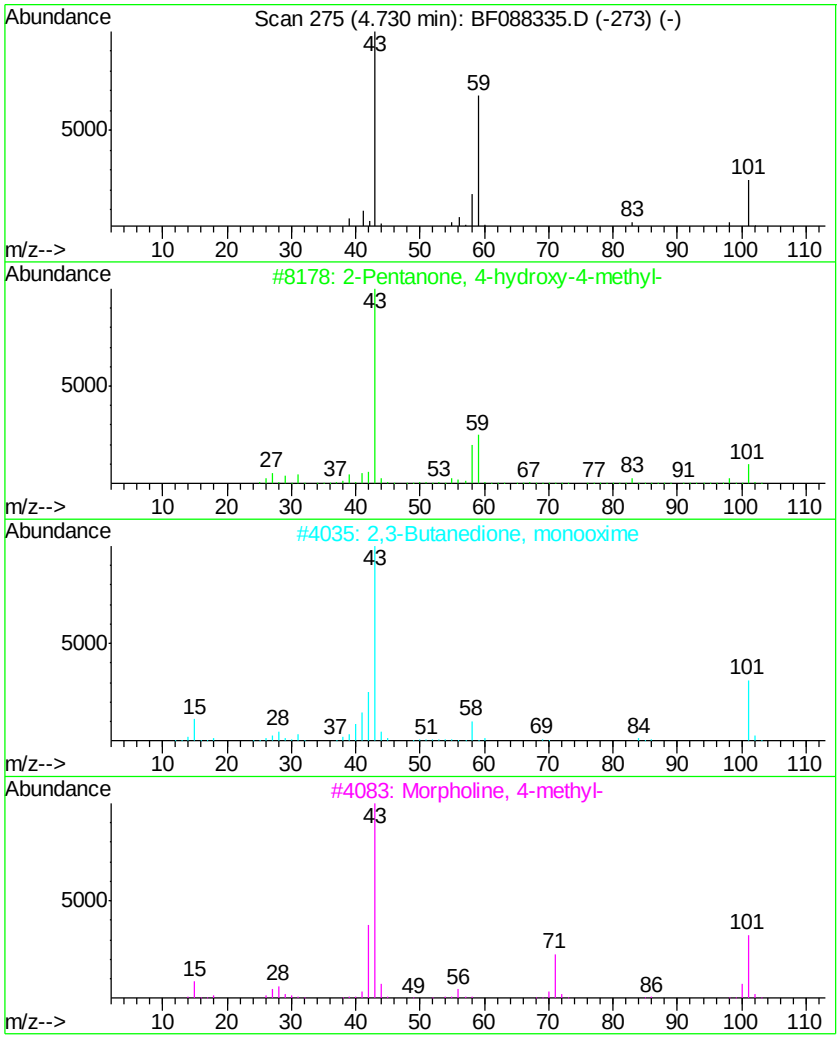
TIC Integration Parameters: LSCINT.P

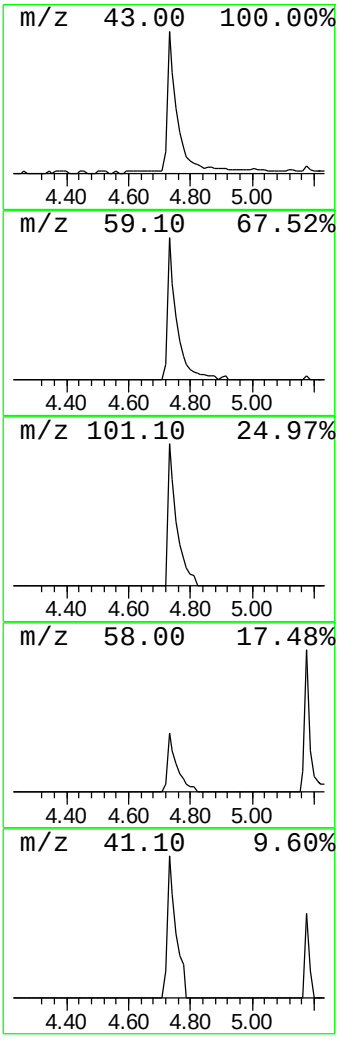
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	4.71 ng	110477	1,4-Dichlorobenzene-d4	6.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

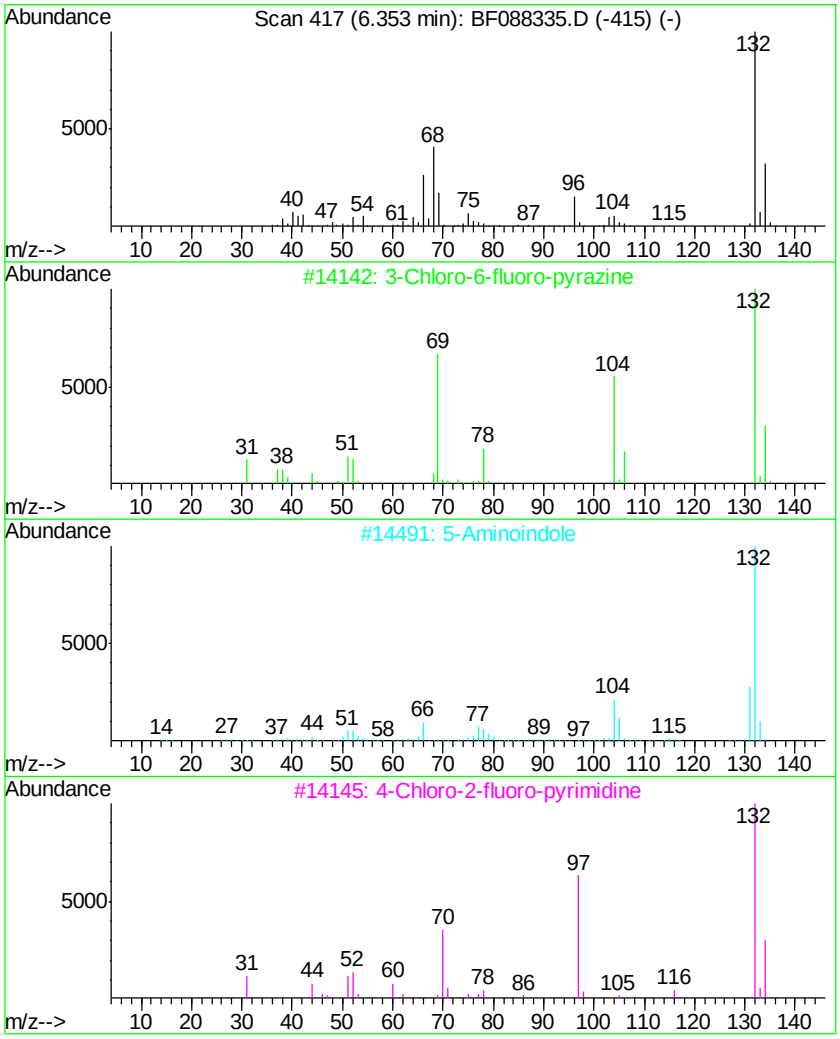
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

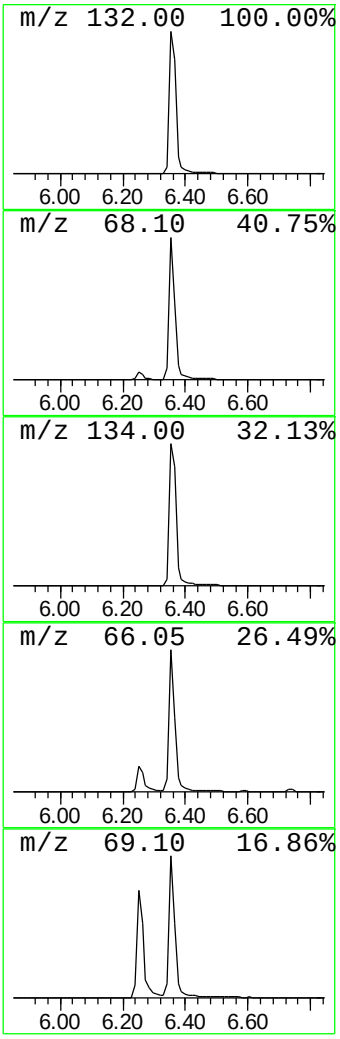
****

Peak Number 3 unknown6.35 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	88.23 ng	2069660	1,4-Dichlorobenzene-d4	6.58

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	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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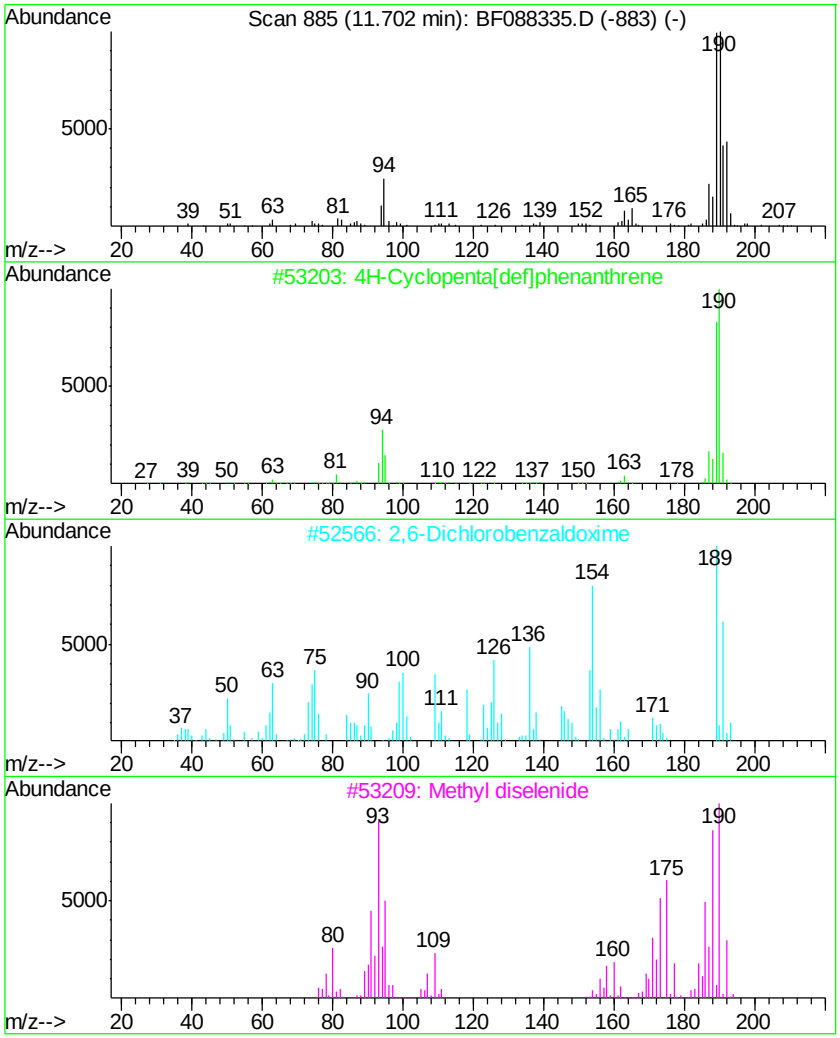
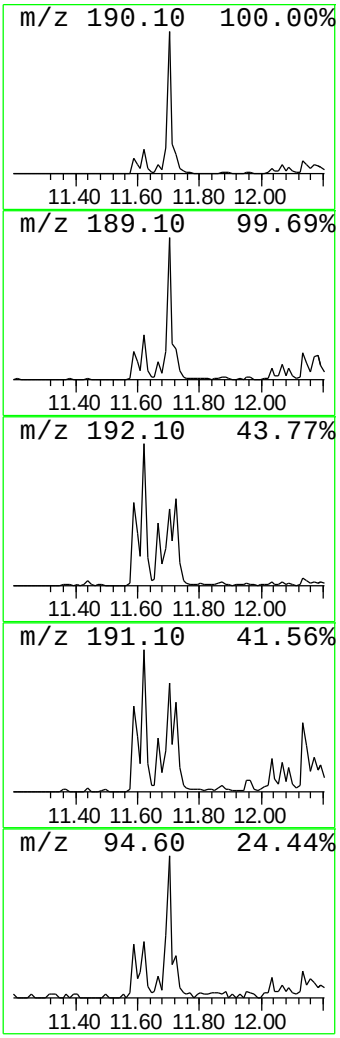
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.05 ng	385906	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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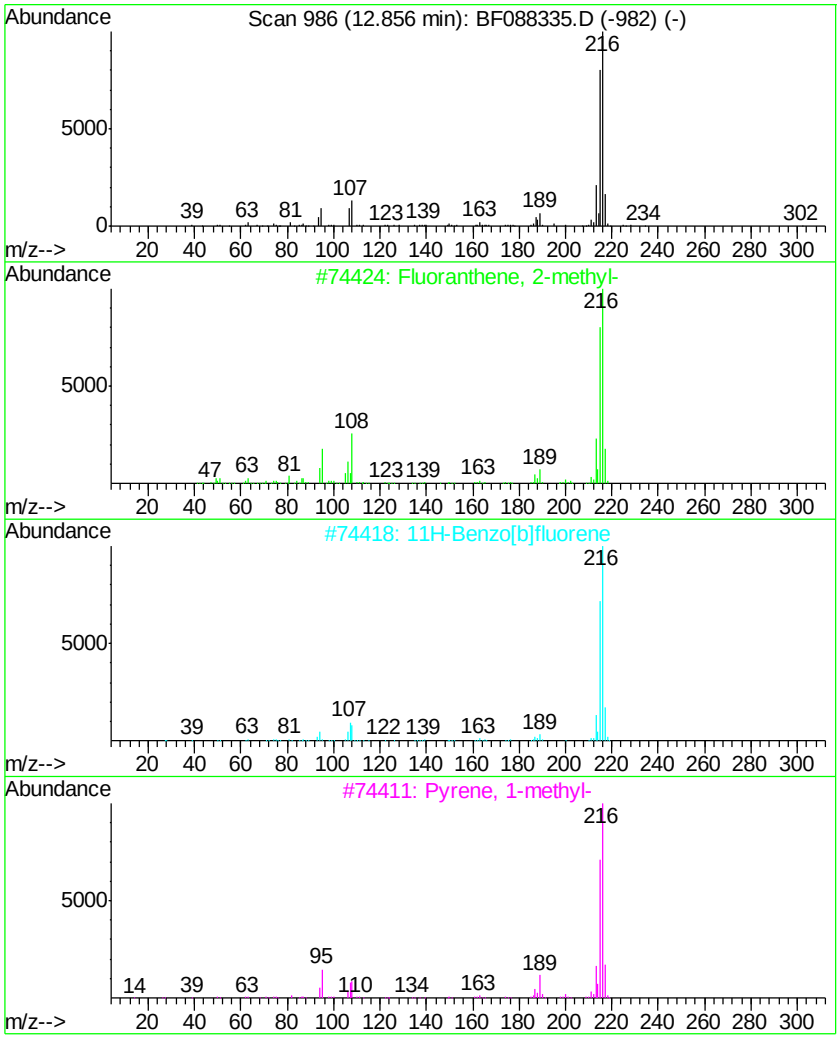
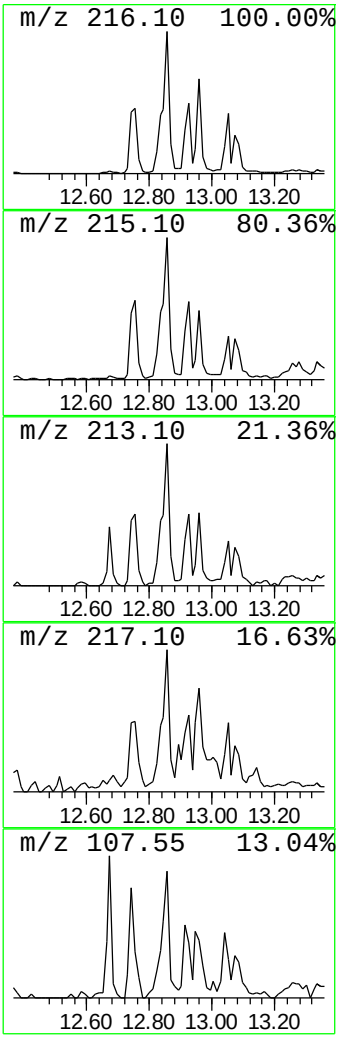
Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	5.24 ng	426394	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

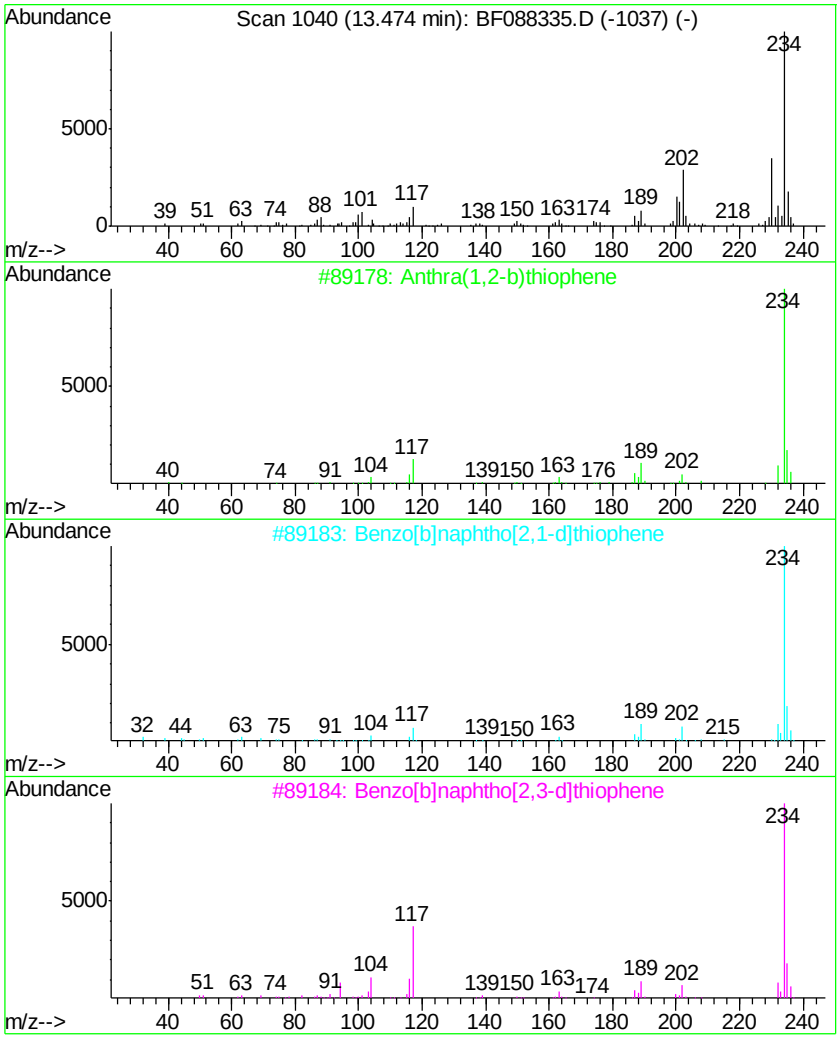
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

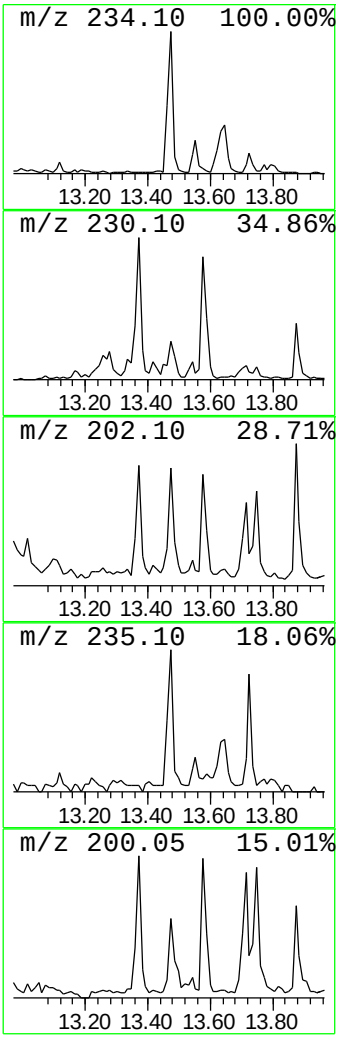
****

Peak Number 7 Anthra(1,2-b)thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	4.31 ng	350569	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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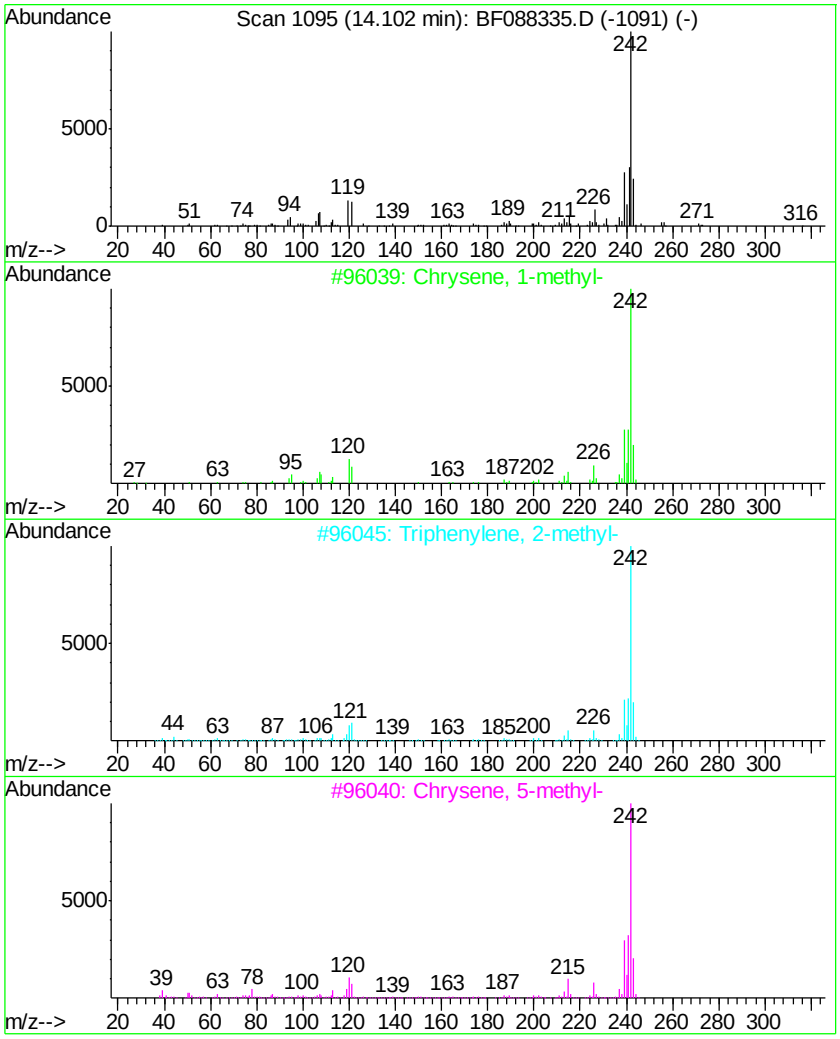
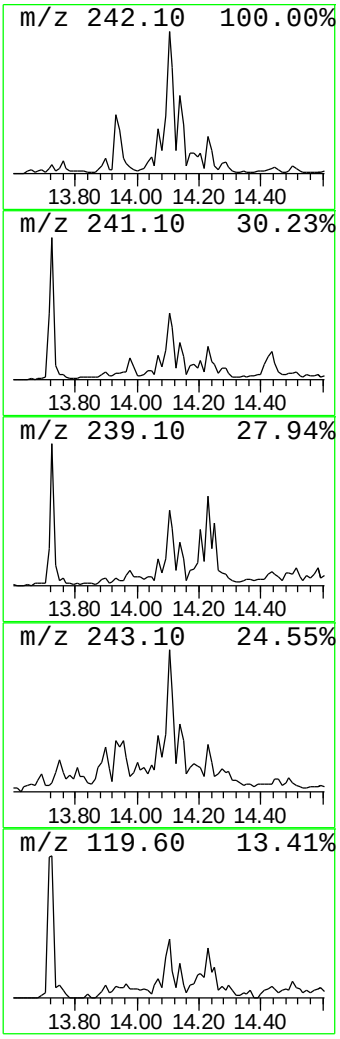
Peak Number 8 Chrysene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	3.62 ng	294672	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088335.D
Acq On : 24 Jun 2016 16:56
Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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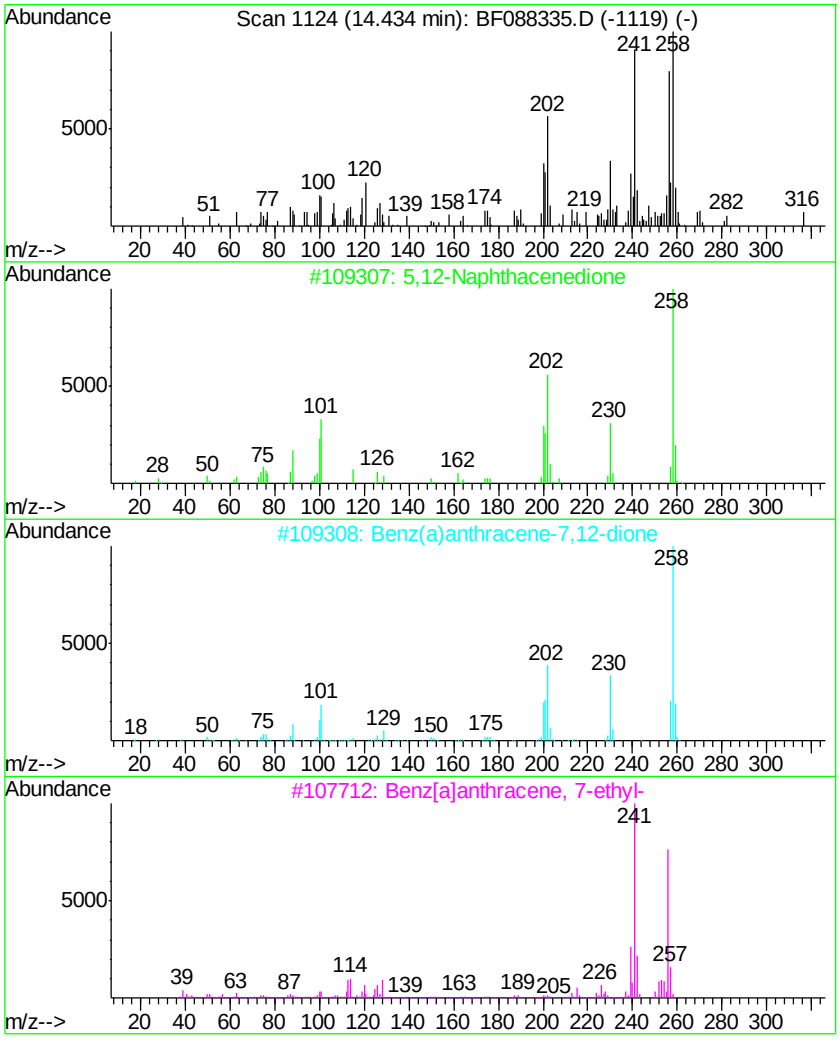
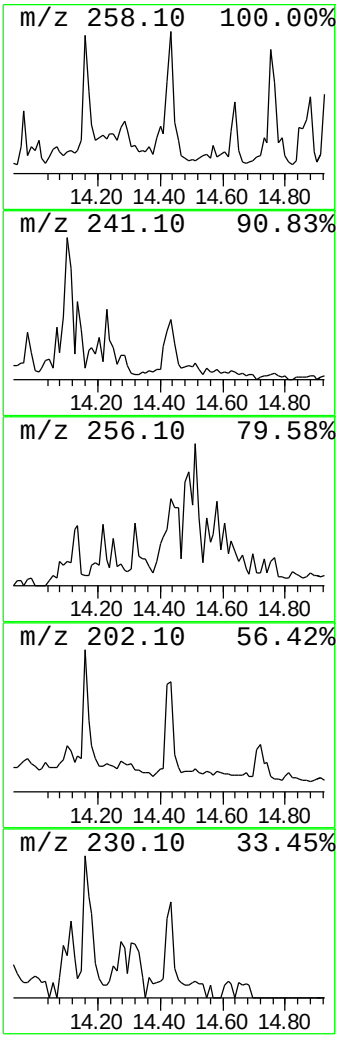
Peak Number 9 5,12-Naphthacenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	7.83 ng	171839	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	81
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	66
3	Benz[a]anthracene, 7-ethyl-	256	C20H16	003697-30-1	64
4	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
5	Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	45





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Sample : H3598-07
Misc :
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Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

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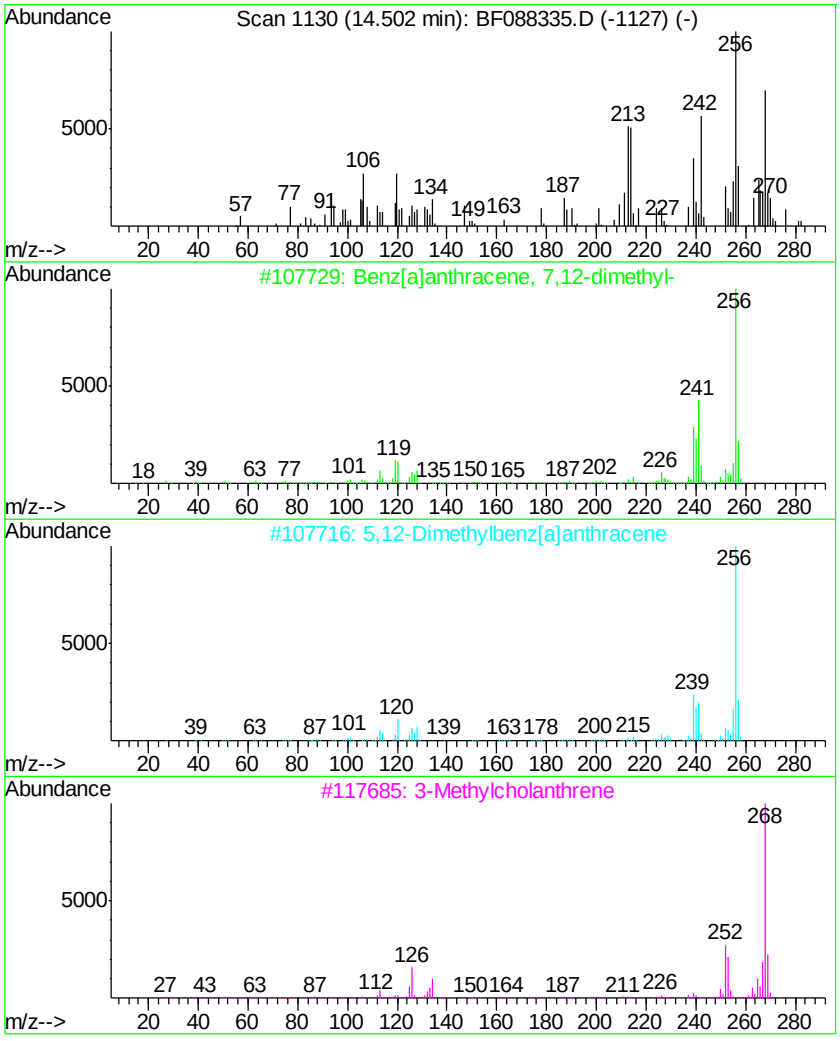
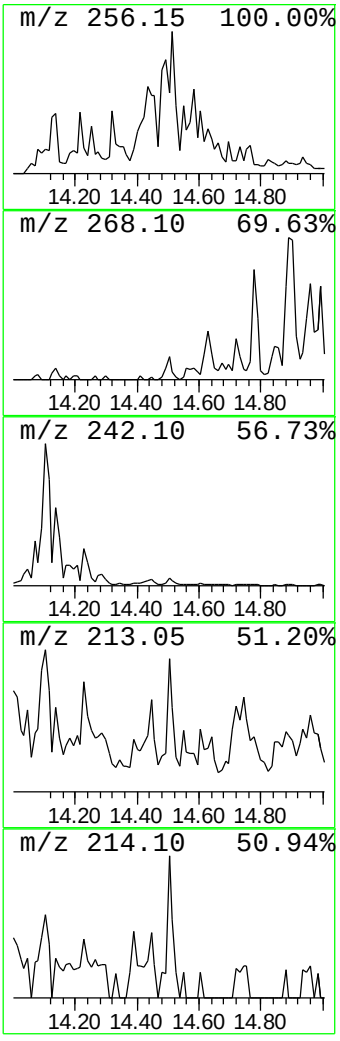
Peak Number 10 unknown14.50 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	4.18 ng	91813	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	25
2	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	25
3	3-Methylcholanthrene	268	C21H16	000056-49-5	25
4	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	15
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	15





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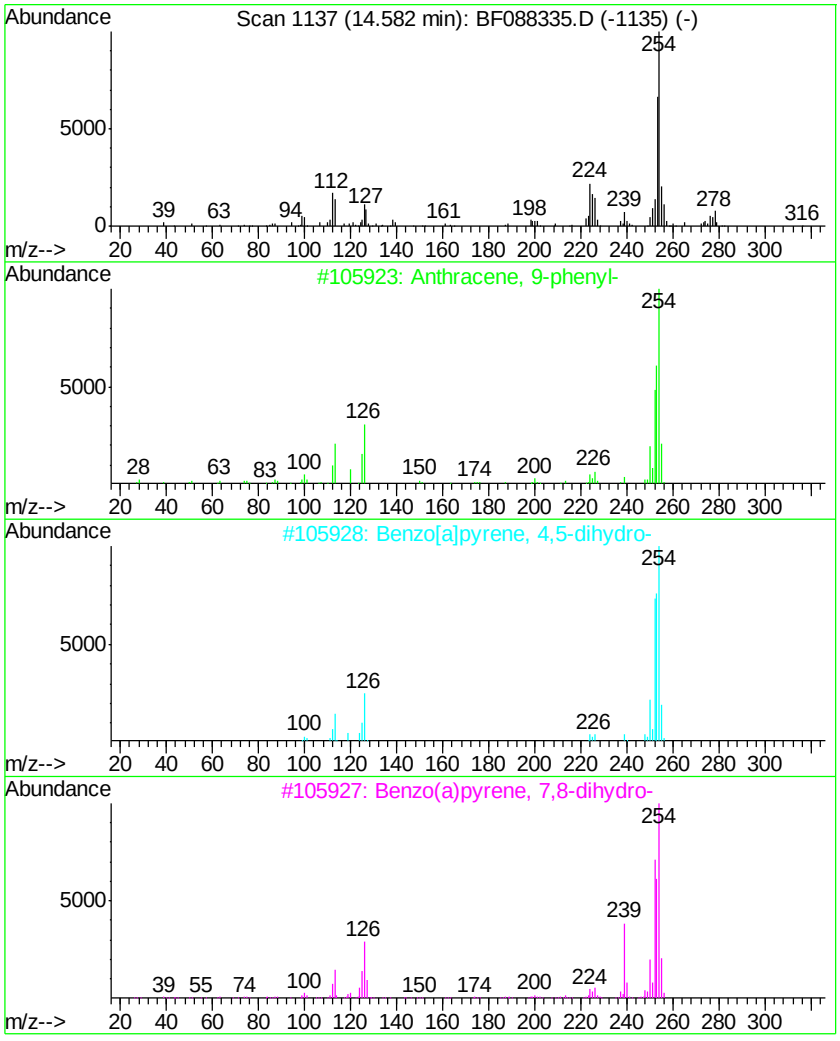
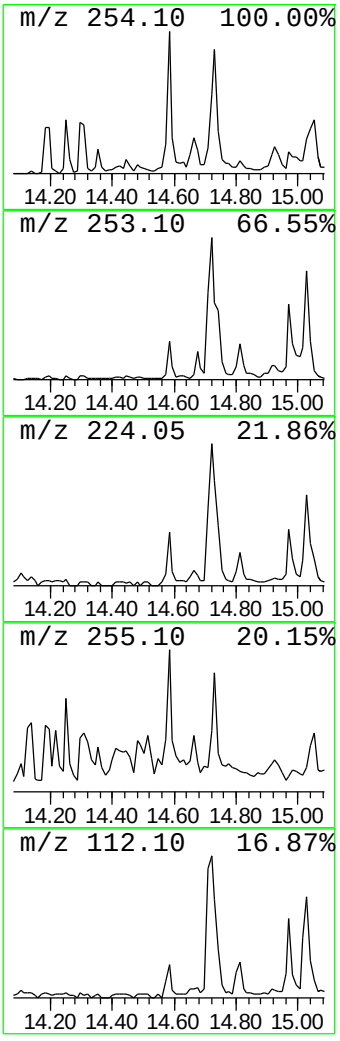
Peak Number 11 Anthracene, 9-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	4.12 ng	90386	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	76
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	68
3	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
4	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	62





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Misc :
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Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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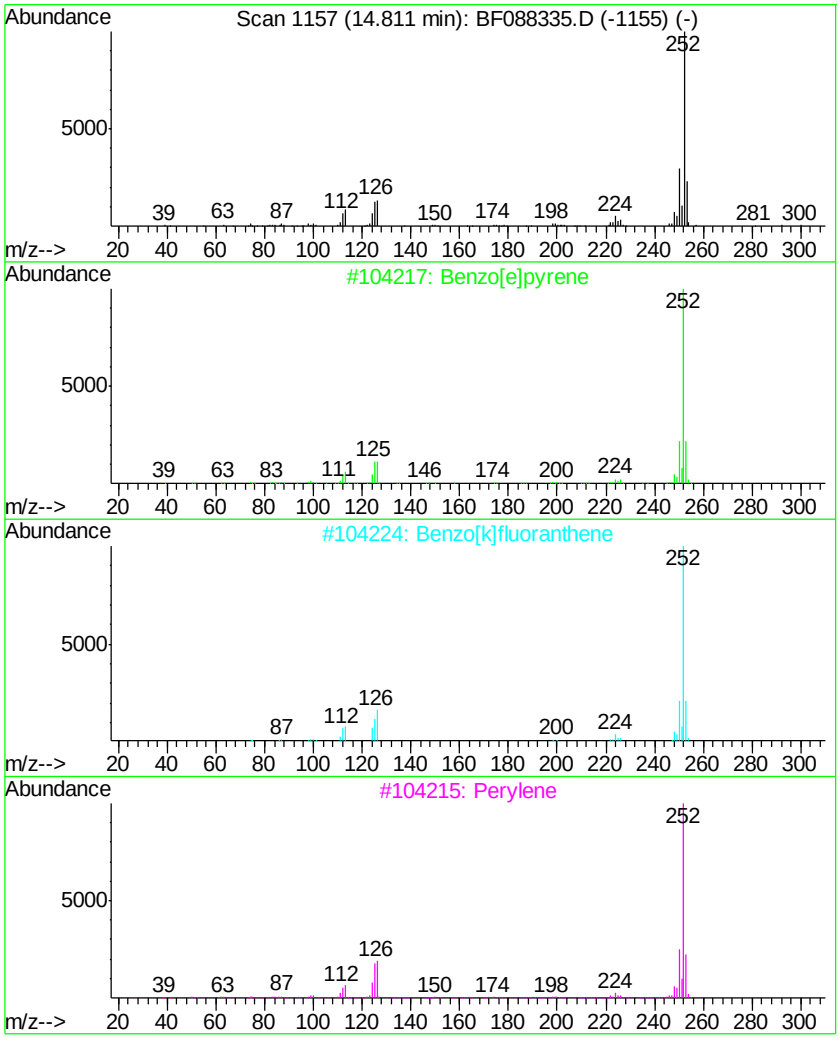
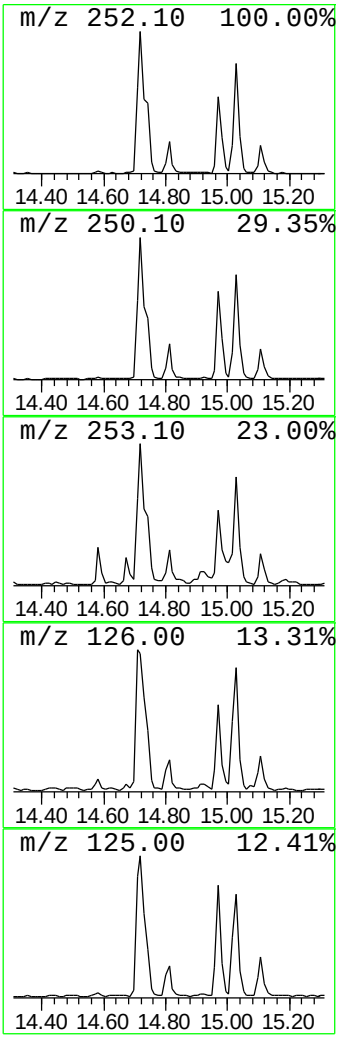
Peak Number 12 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	6.61 ng	145257	Perylene-d12	15.09

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





Library Search Compound Report

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Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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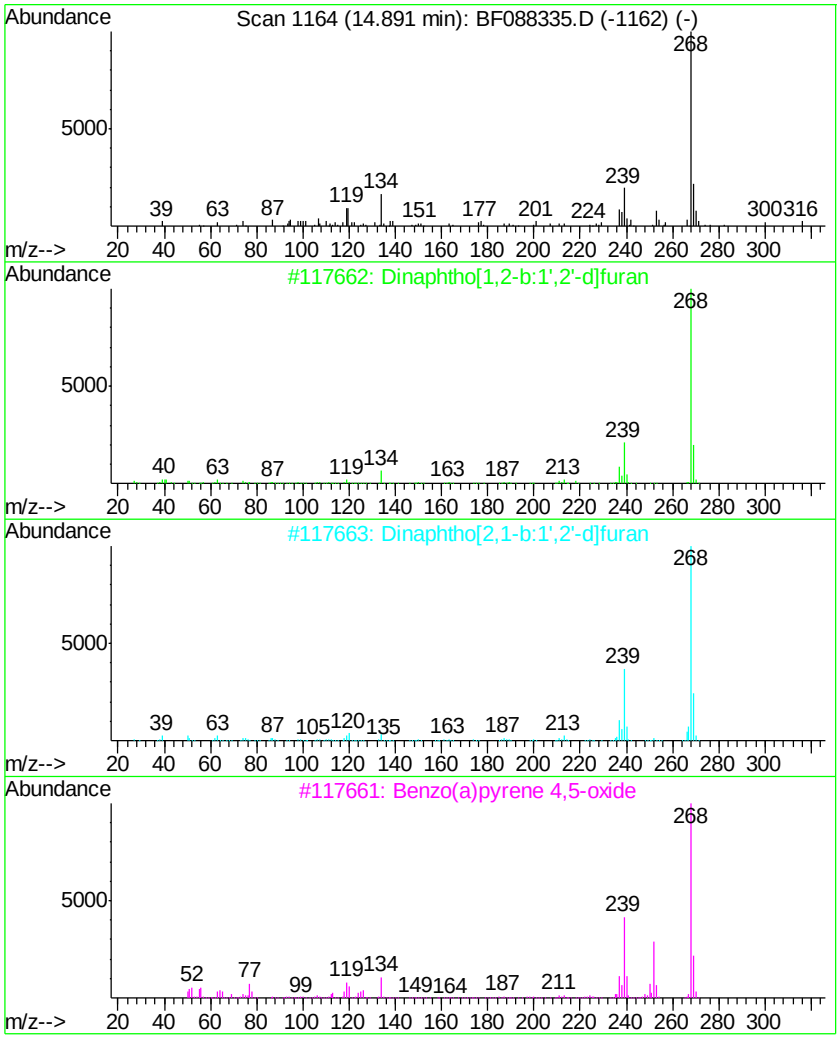
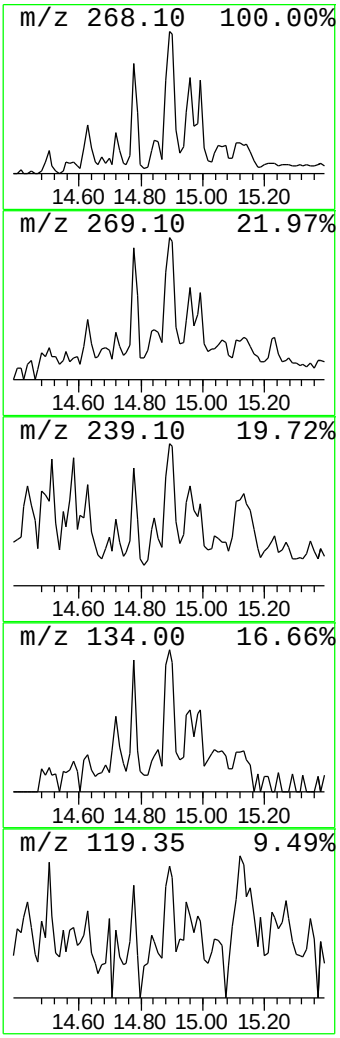
Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	3.74 ng	82235	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	80
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	78
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	64
5	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	53





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Operator : UM/SJ
Sample : H3598-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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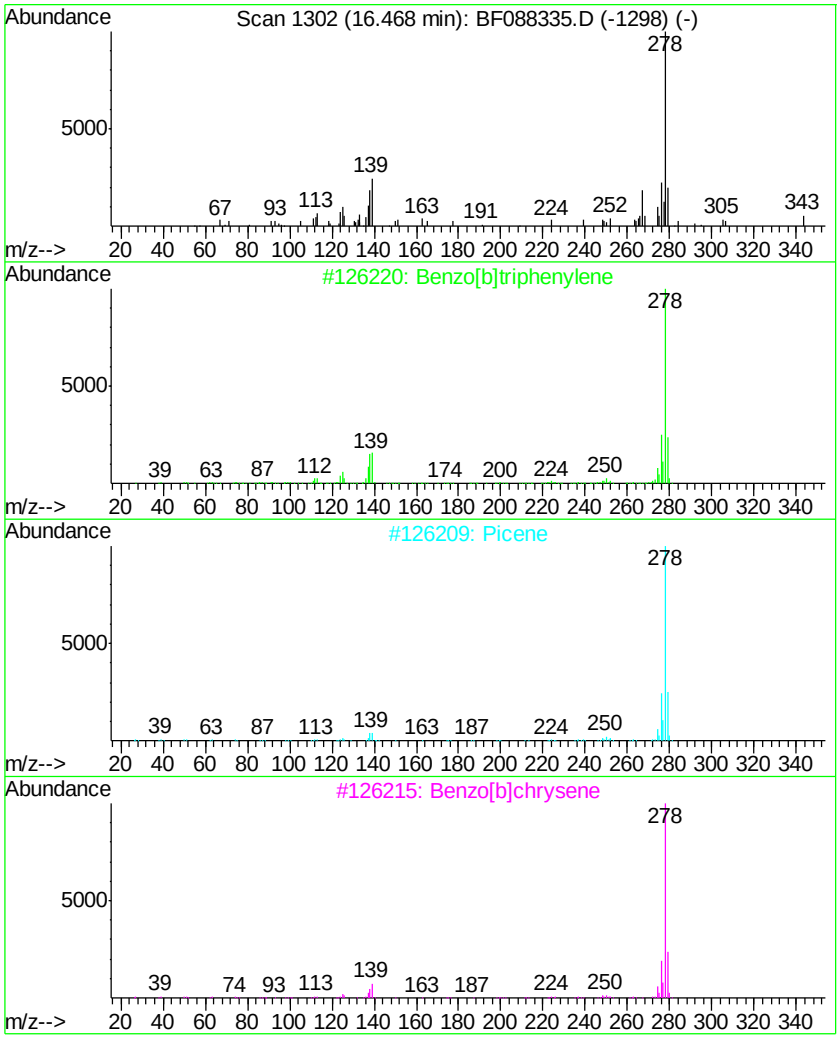
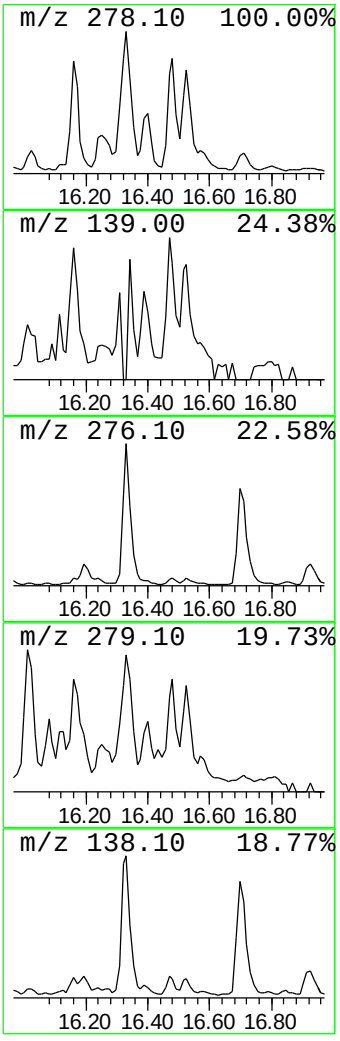
Peak Number 16 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	4.96 ng	108954	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	Picene	278	C22H14	000213-46-7	89
3	Benzo[b]chrysene	278	C22H14	000214-17-5	76
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
5	Pentacene	278	C22H14	000135-48-8	70





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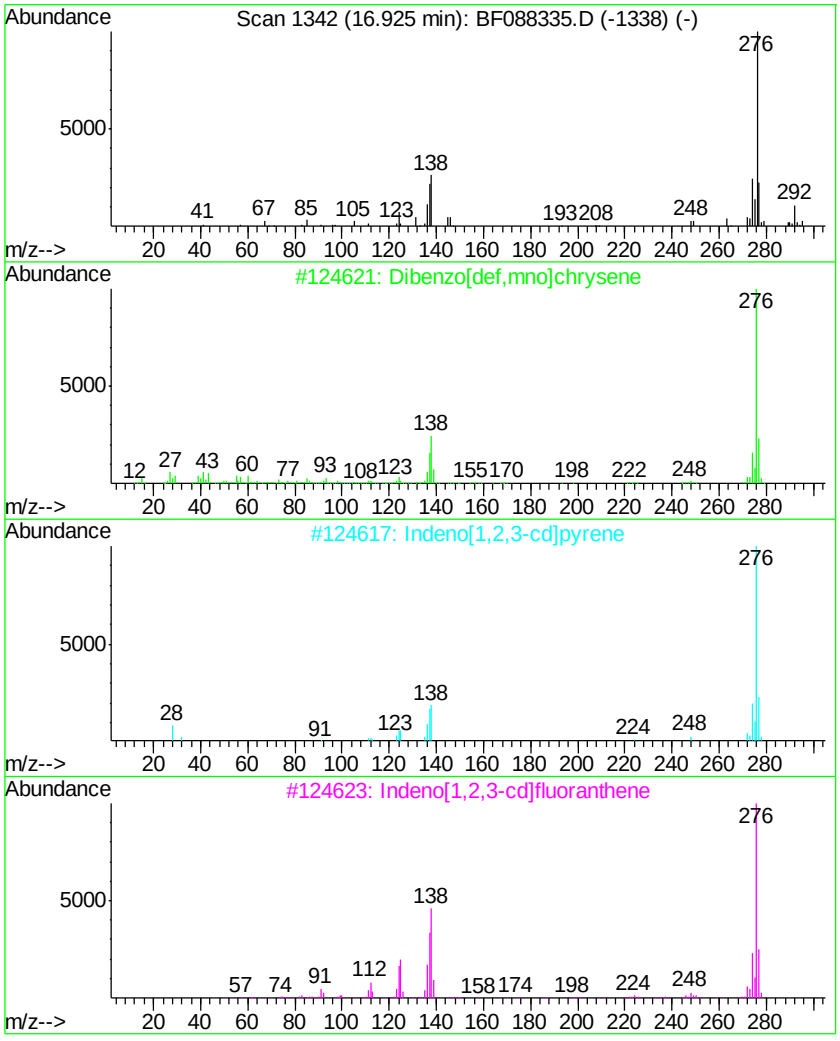
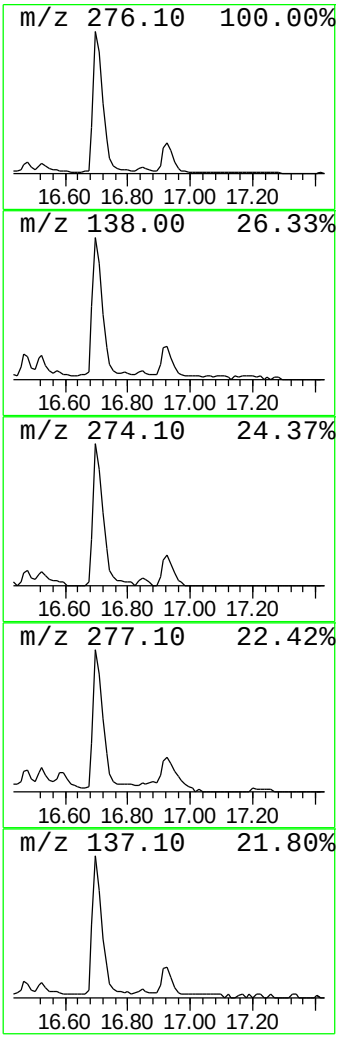
Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	4.71 ng	103530	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
5	2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	43





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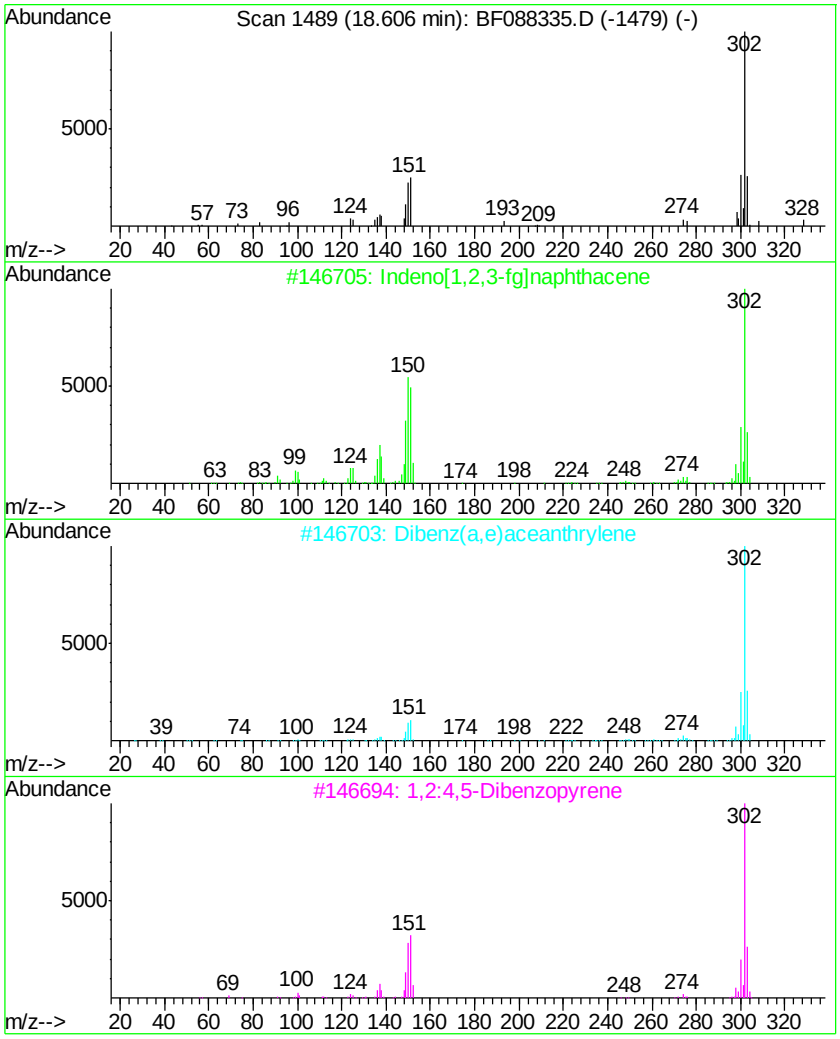
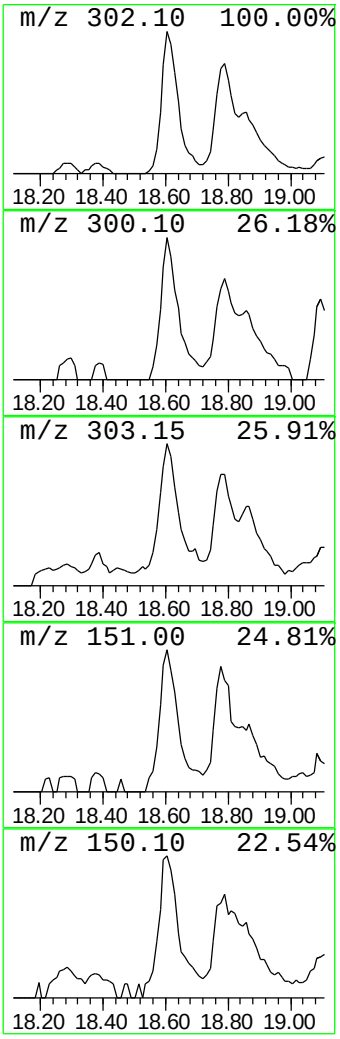
Peak Number 19 Indeno[1,2,3-fg]naphthacene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	6.59 ng	144652	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	91
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	91
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	91
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90
5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	90





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Instrument : BNA_F
ClientSampleId : PM-STA-1375(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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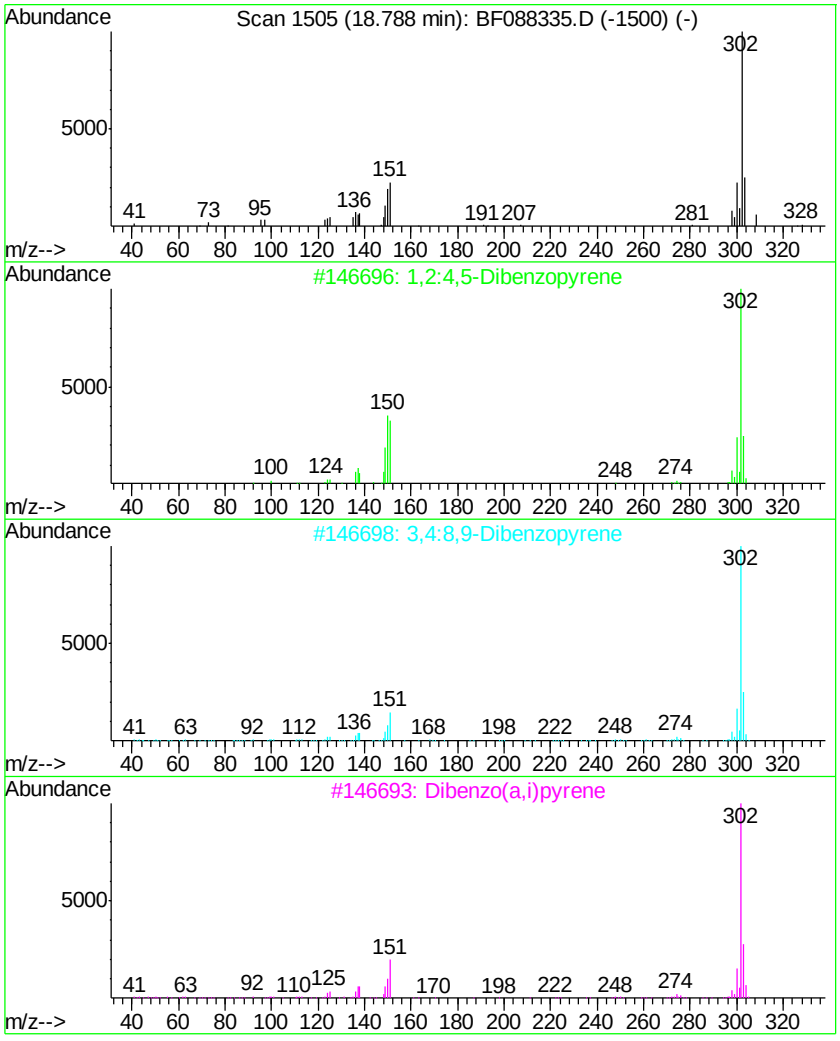
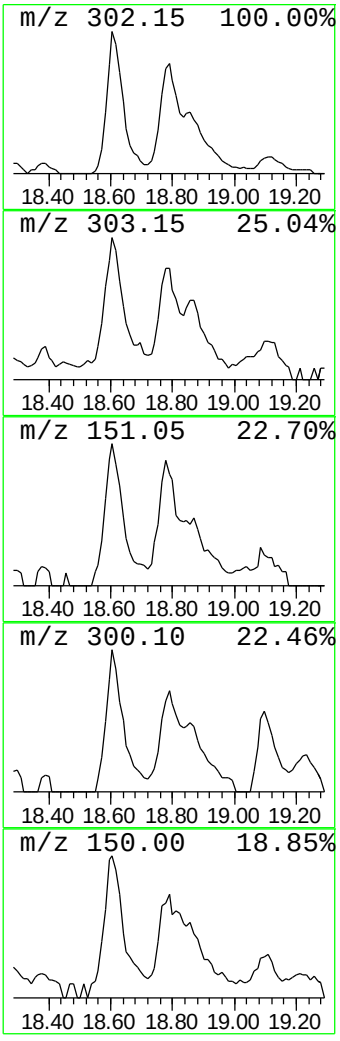
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	4.49 ng	98588	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	87
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	87
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	68





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.73	4.7	ng	110477	1	6.58	469163	20.0
unknown6.35	6.35	88.2	ng	2069660	1	6.58	469163	20.0
4H-Cyclopenta[def...	11.70	6.0	ng	385906	4	11.10	1274750	20.0
Fluoranthene, 2-m...	12.86	5.2	ng	426394	5	13.73	1628480	20.0
Anthra(1,2-b)thio...	13.47	4.3	ng	350569	5	13.73	1628480	20.0
Chrysene, 1-methyl-	14.10	3.6	ng	294672	5	13.73	1628480	20.0
5,12-Naphthacened...	14.43	7.8	ng	171839	6	15.09	439185	20.0
unknown14.50	14.50	4.2	ng	91813	6	15.09	439185	20.0
Anthracene, 9-phe...	14.58	4.1	ng	90386	6	15.09	439185	20.0
Benzo[e]pyrene	14.81	6.6	ng	145257	6	15.09	439185	20.0
Dinaphtho[1,2-b:1...	14.89	3.7	ng	82235	6	15.09	439185	20.0
Benzo[b]triphenylene	16.47	5.0	ng	108954	6	15.09	439185	20.0
Dibenzo[def,mno]c...	16.93	4.7	ng	103530	6	15.09	439185	20.0
Indeno[1,2,3-fg]n...	18.61	6.6	ng	144652	6	15.09	439185	20.0
1,2:4,5-Dibenzopy...	18.79	4.5	ng	98588	6	15.09	439185	20.0