LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088421.D
Acq On : 26 Jun 2016 16:32
Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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	1.690	7	9	23	rVB	210386	368221	16.51%	1.093%
2	4.673	267	270	285	rBV	235326	471496	21.14%	1.400%
3	5.130	308	310	327	rBV	1093935	1788479	80.19%	5.311%
4	5.541	344	346	353	rVB	21794	29220	1.31%	0.087%
5	6.216	402	405	412	rBV	1332949	1673641	75.05%	4.970%
6	6.319	412	414	432	rVB	1757121	1887756	84.65%	5.606%
7	6.547	432	434	445	rBV	341512	375663	16.84%	1.116%
8	6.696	445	447	450	rBV	1066010	1455914	65.28%	4.323%
9	7.119	482	484	487	rBV	732018	1066397	47.82%	3.167%
10	7.827	544	546	559	rBV2	363222	647285	29.02%	1.922%
11	8.547	608	609	615	rBV2	21594	27492	1.23%	0.082%
12	8.913	638	641	643	rBV	2121319	2230165	100.00%	6.623%
13	9.313	674	676	678	rBV	285164	240163	10.77%	0.713%
14	9.576	697	699	701	rBV	693596	659795	29.59%	1.959%
15	9.610	701	702	704	rVB	146276	111308	4.99%	0.331%
16	9.782	715	717	720	rBV	41106	52217	2.34%	0.155%
17	10.125	745	747	750	rBV	91582	96908	4.35%	0.288%
18	10.365	765	768	771	rBV	1088732	1255296	56.29%	3.728%
19	10.490	777	779	783	rVB	40801	58098	2.61%	0.173%
20	10.673	791	795	800	rBV3	16936	47996	2.15%	0.143%
21	10.822	803	808	809	rBV4	11327	29584	1.33%	0.088%
22	10.913	814	816	817	rVV	37635	43406	1.95%	0.129%
23	10.936	817	818	823	rVB2	43332	84105	3.77%	0.250%
24	11.073	826	830	833	rBV2	848709	1473545	66.07%	4.376%
25	11.131	833	835	838	rVV	224289	278027	12.47%	0.826%
26	11.176	838	839	847	rVB	29879	57470	2.58%	0.171%
27	11.302	847	850	853	rBV2	80045	146545	6.57%	0.435%
28	11.359	853	855	860	rVB2	29808	50481	2.26%	0.150%
29	11.553	870	872	873	rBV	91042	83608	3.75%	0.248%
30	11.576	873	874	877	rVV	75812	135580	6.08%	0.403%
31	11.633	877	879	880	rVV	43986	59380	2.66%	0.176%
32	11.656	880	881	887	rVB	157183	256749	11.51%	0.762%
33	11.771	887	891	895	rBV4	15810	43594	1.95%	0.129%
34	11.851	895	898	900	rVV	60426	70363	3.16%	0.209%

LSC Area Percent Report

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Acq On : 26 Jun 2016 16:32
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Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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	11.885	900	901	906	rVB2	16763	33363	1.50%	0.099%
36	12.102	918	920	921	rBV	44304	46758	2.10%	0.139%
37	12.136	921	923	926	rVB3	23019	40988	1.84%	0.122%
38	12.193	926	928	931	rVB3	35325	50037	2.24%	0.149%
39	12.262	931	934	936	rBV	1232814	1301446	58.36%	3.865%
40	12.411	945	947	949	rBV	45828	55020	2.47%	0.163%
41	12.479	950	953	956	rVV2	912930	1340284	60.10%	3.980%
42	12.536	956	958	962	rVB2	55811	85641	3.84%	0.254%
43	12.639	964	967	969	rVV	1762096	2139830	95.95%	6.354%
44	12.708	971	973	975	rVB2	65125	103833	4.66%	0.308%
45	12.811	979	982	985	rBV	156691	274513	12.31%	0.815%
46	12.879	986	988	990	rVV	183976	186158	8.35%	0.553%
47	12.914	990	991	995	rVB2	109922	178850	8.02%	0.531%
48	13.005	998	999	1001	rBV	53159	52450	2.35%	0.156%
49	13.039	1001	1002	1007	rVB2	59736	79345	3.56%	0.236%
50	13.234	1014	1019	1022	rBV2	56524	121562	5.45%	0.361%
51	13.291	1022	1024	1026	rBV3	22020	35992	1.61%	0.107%
52	13.336	1026	1028	1031	rVB2	30874	50609	2.27%	0.150%
53	13.451	1034	1038	1039	rBV3	107794	202826	9.09%	0.602%
54	13.485	1039	1041	1044	rVB4	56936	125735	5.64%	0.373%
55	13.542	1044	1046	1050	rBV	145789	215503	9.66%	0.640%
56	13.599	1050	1051	1053	rVB	26745	23578	1.06%	0.070%
57	13.679	1053	1058	1064	rBV4	710816	2060928	92.41%	6.120%
58	13.782	1064	1067	1069	rVB	109478	128895	5.78%	0.383%
59	13.851	1069	1073	1075	rBV4	26250	59947	2.69%	0.178%
60	13.897	1075	1077	1078	rBV2	51566	78483	3.52%	0.233%
61	14.068	1087	1092	1094	rBV2	127230	236126	10.59%	0.701%
62	14.102	1094	1095	1096	rVV	54651	41374	1.86%	0.123%
63	14.159	1096	1100	1101	rVV3	57754	107269	4.81%	0.319%
64	14.205	1101	1104	1106	rVB4	63667	138264	6.20%	0.411%
65	14.399	1116	1121	1123	rBV3	46795	118651	5.32%	0.352%
66	14.445	1123	1125	1130	rVV4	28992	86344	3.87%	0.256%
67	14.548	1132	1134	1136	rVV2	54128	89759	4.02%	0.267%
68	14.582	1136	1137	1140	rVV2	27615	41105	1.84%	0.122%
69	14.639	1140	1142	1143	rVV	25090	45533	2.04%	0.135%
70	14.674	1143	1145	1152	rVV	717432	1342317	60.19%	3.986%
71	14.765	1152	1153	1158	rVV	116818	150043	6.73%	0.446%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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

72	14.879	1161	1163	1165	rVV2	46359	89309	4.00%	0.265%
73	14.925	1165	1167	1170	rVV	454790	569800	25.55%	1.692%
74	14.982	1170	1172	1174	rVV	527051	702088	31.48%	2.085%
75	15.028	1174	1176	1183	rVV2	348816	738262	33.10%	2.192%
76	15.177	1187	1189	1191	rBV2	36695	74670	3.35%	0.222%
77	15.222	1191	1193	1197	rVB2	57599	102236	4.58%	0.304%
78	15.291	1197	1199	1201	rBV	24759	40705	1.83%	0.121%
79	15.405	1206	1209	1211	rBV	30136	62889	2.82%	0.187%
80	15.462	1211	1214	1216	rVV2	36861	103860	4.66%	0.308%
81	15.497	1216	1217	1222	rVV2	42127	69315	3.11%	0.206%
82	15.657	1227	1231	1234	rBV4	10181	33921	1.52%	0.101%
83	16.011	1259	1262	1265	rVB2	22791	43607	1.96%	0.129%
84	16.091	1266	1269	1271	rBV2	39167	70845	3.18%	0.210%
85	16.125	1271	1272	1275	rVB	26153	39086	1.75%	0.116%
86	16.251	1280	1283	1288	rBV	241082	516846	23.18%	1.535%
87	16.400	1293	1296	1298	rBV	56092	107370	4.81%	0.319%
88	16.445	1298	1300	1304	rVB2	44915	100114	4.49%	0.297%
89	16.617	1312	1315	1325	rBV	232843	541012	24.26%	1.607%
90	16.845	1332	1335	1341	rVB	50839	120257	5.39%	0.357%
91	16.937	1341	1343	1347	rVB2	12398	28368	1.27%	0.084%
92	17.120	1354	1359	1363	rBV5	14103	53488	2.40%	0.159%
93	17.280	1369	1373	1379	rVB2	25073	83218	3.73%	0.247%
94	17.394	1380	1383	1387	rBV3	11122	33386	1.50%	0.099%
95	17.611	1399	1402	1413	rVB5	12041	58803	2.64%	0.175%
96	18.491	1474	1479	1487	rBV	40948	167023	7.49%	0.496%
97	18.663	1491	1494	1500	rBV	33817	136226	6.11%	0.405%
98	18.994	1519	1523	1528	rBV3	7969	27008	1.21%	0.080%
99	19.234	1540	1544	1549	rBV2	9781	31946	1.43%	0.095%
100	19.451	1559	1563	1568	rBV	27736	103779	4.65%	0.308%

Sum of corrected areas: 33674743

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
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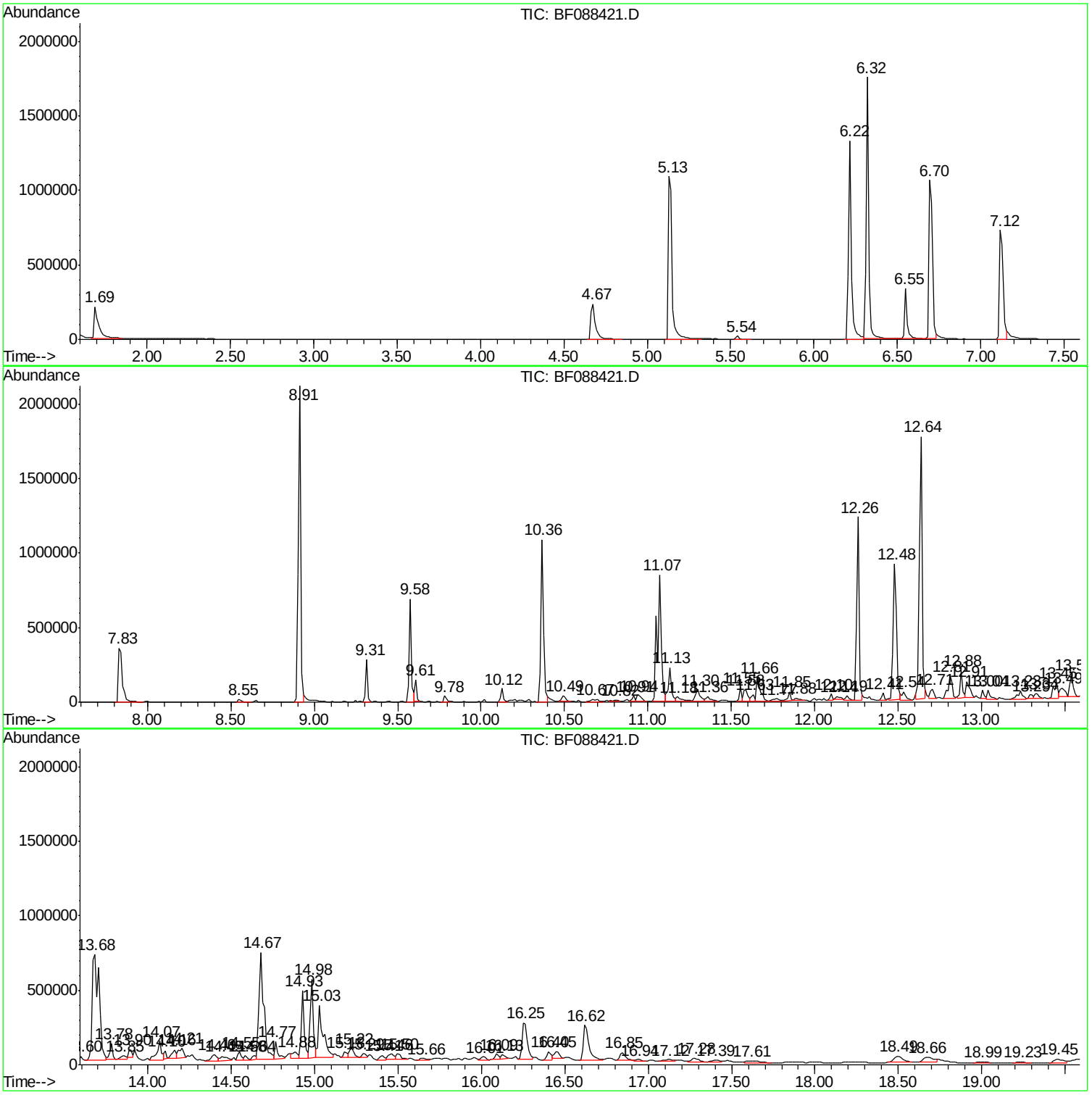
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12

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\BF062616\
Data File : BF088421.D
Acq On : 26 Jun 2016 16:32
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Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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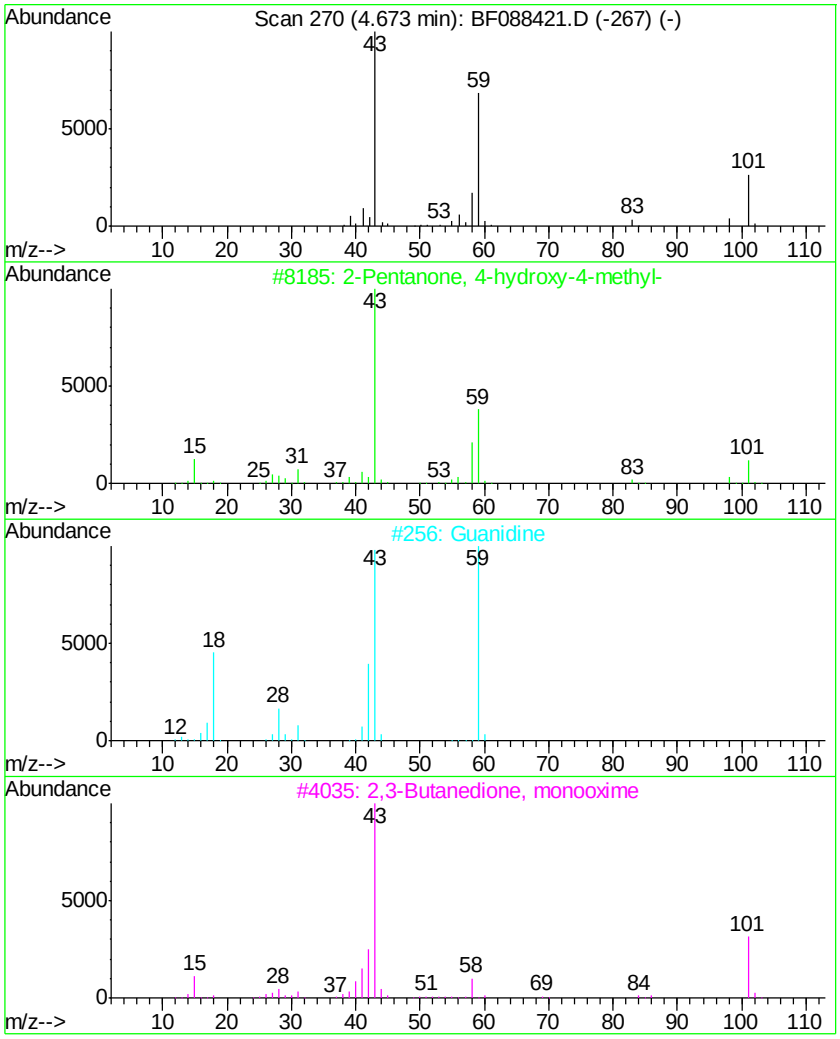
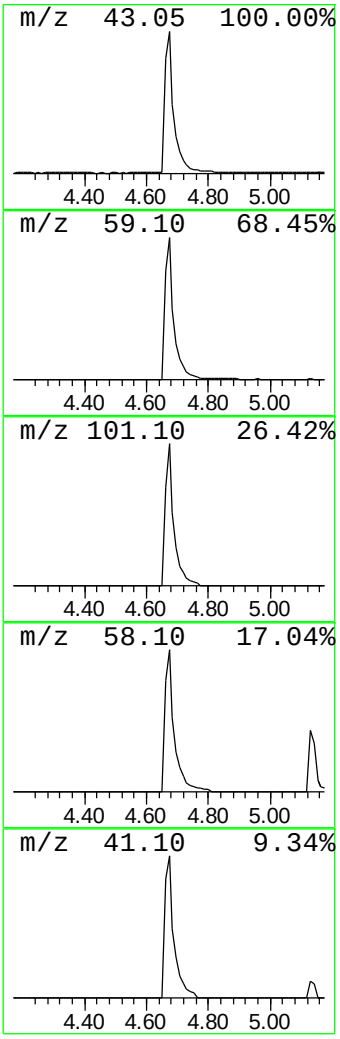
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	25.10 ng	471496	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088421.D
Acq On : 26 Jun 2016 16:32
Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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

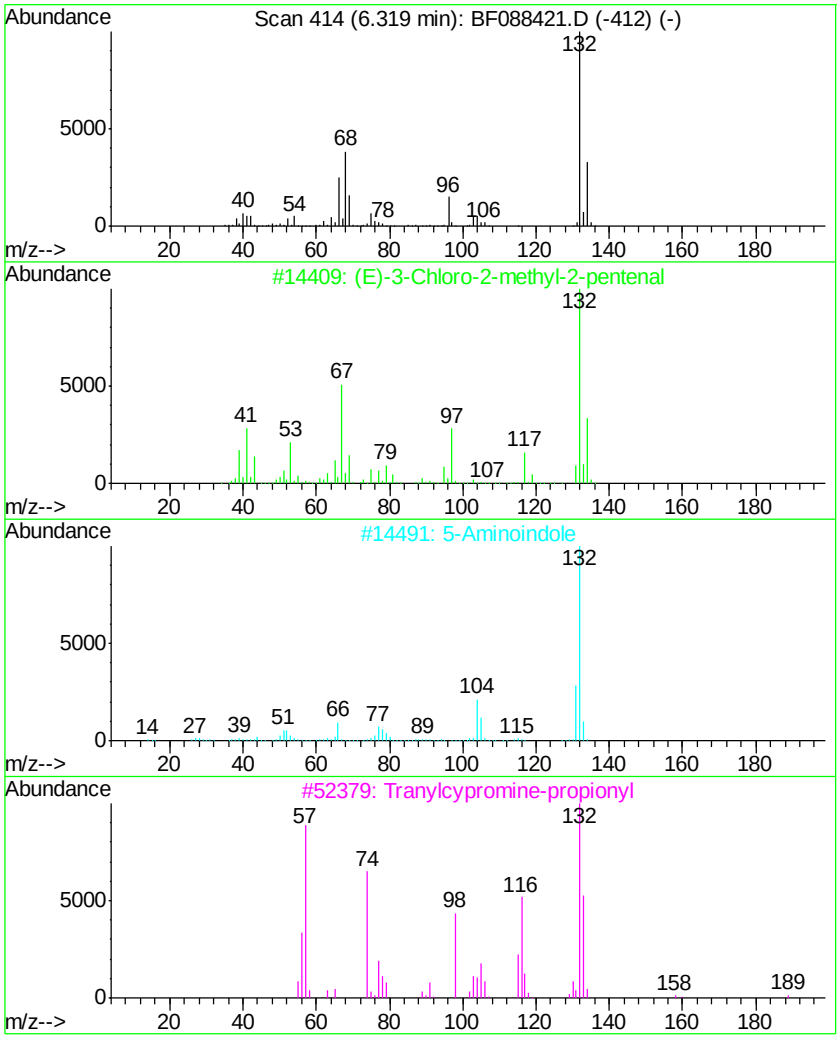
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

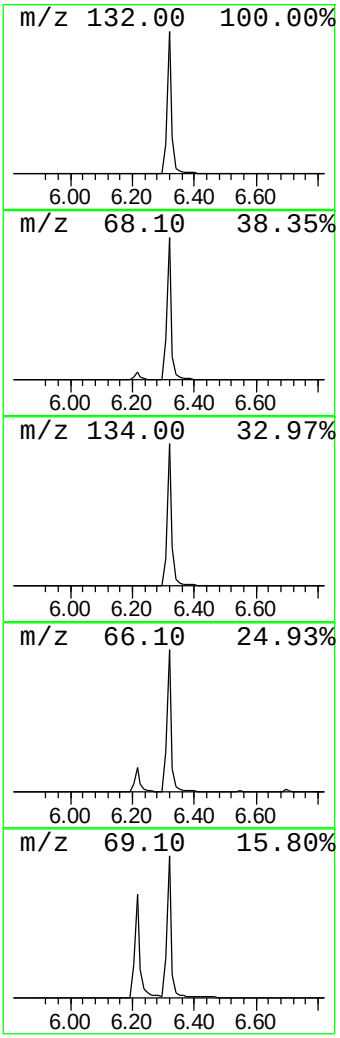
****

Peak Number 3 unknown6.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	100.50 ng	1887760	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Sample : H3663-19
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Instrument : BNA_F
ClientSampleId : TP-12

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

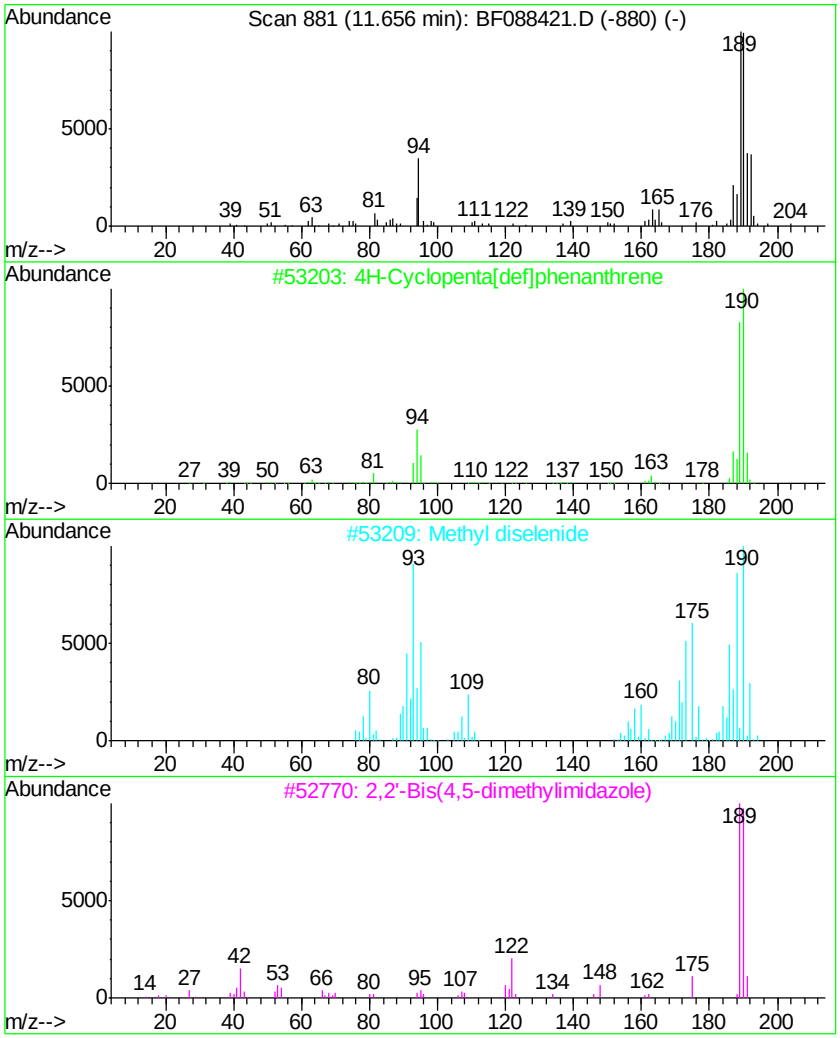
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

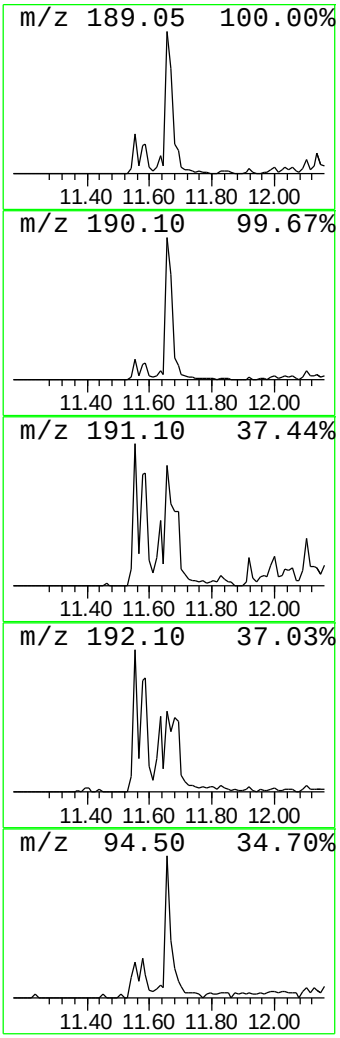
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.48 ng	256749	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	10
5	1-Aminocyclopentanecarboxylic ac...	445	C24H44ClNO4	1000329-17-5	10





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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

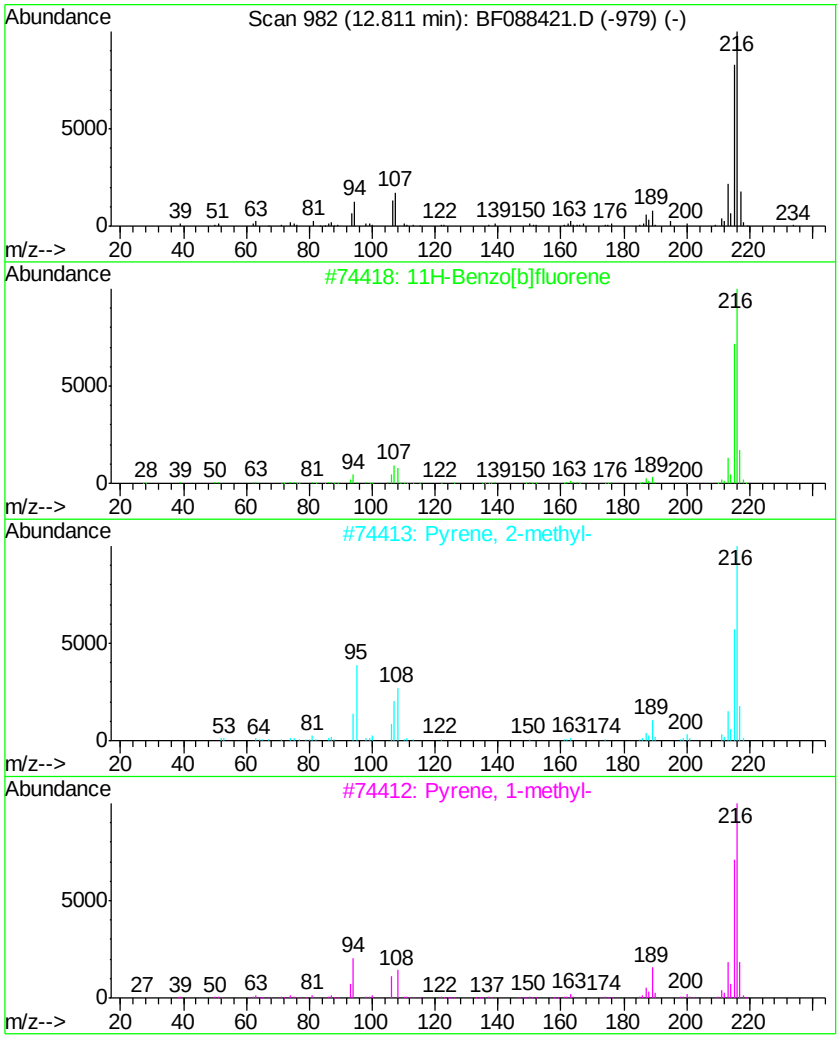
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

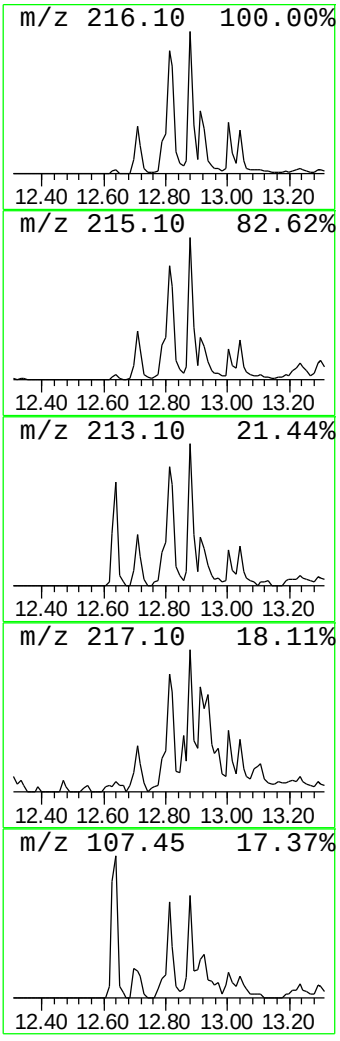
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	2.66 ng	274513	Chrysene-d12	13.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088421.D
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Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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

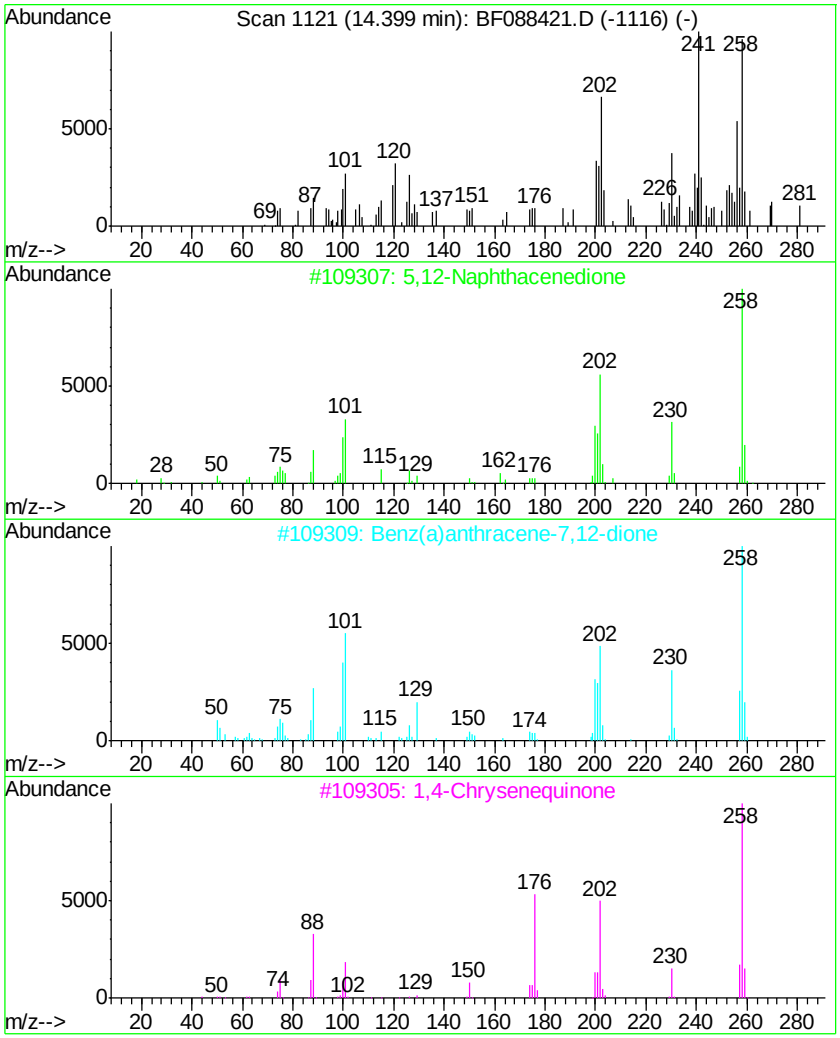
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

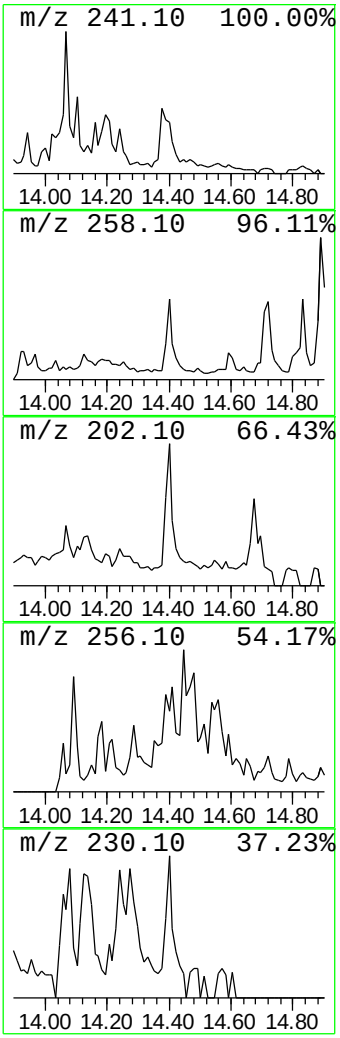
****

Peak Number 8 5,12-Naphthacenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.21 ng	118651	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	46
3	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	46
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	38
5	Benz[a]anthracene, 7-ethyl-	256	C20H16	003697-30-1	27





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Data File : BF088421.D
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Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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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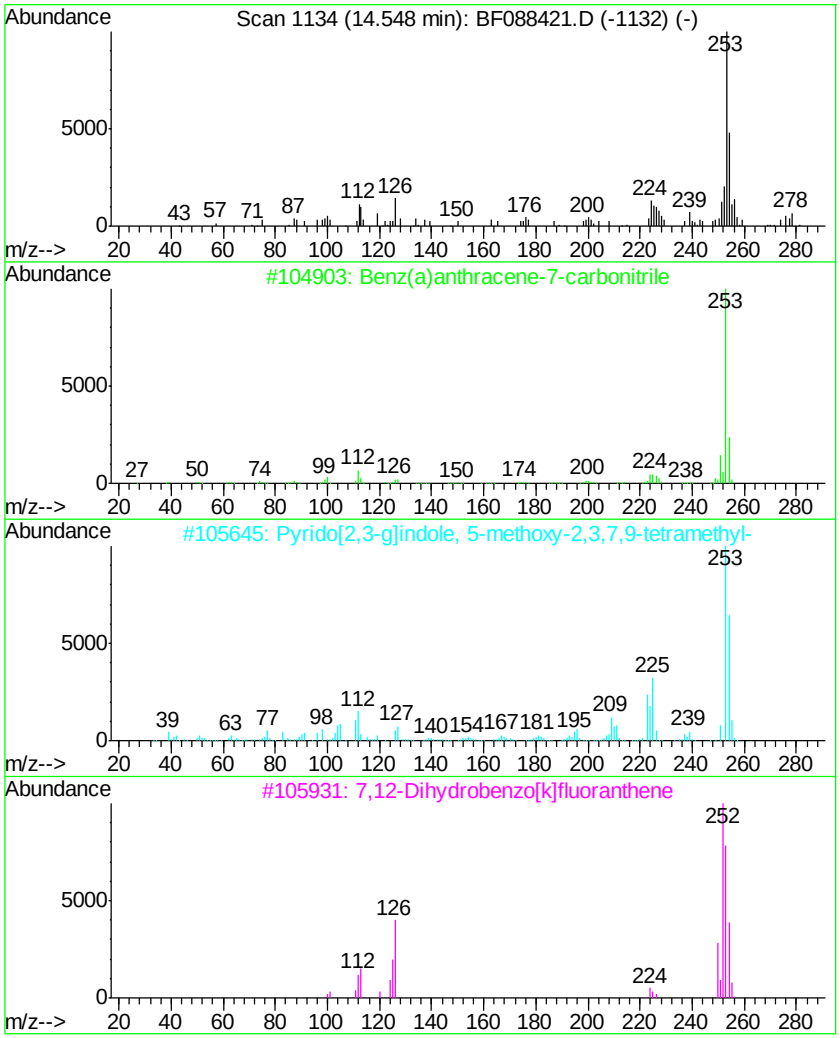
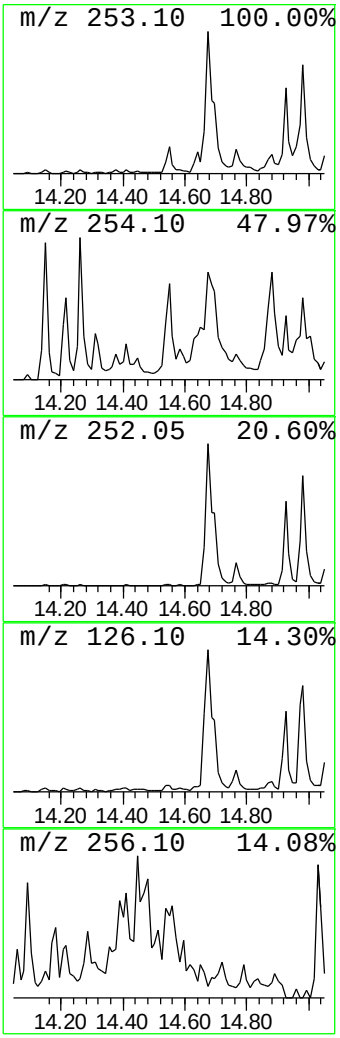
Peak Number 9 Benz(a)anthracene-7-carboni... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.43 ng	89759	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	90
2	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	76
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	68
4	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	59
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43





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Data File : BF088421.D
Acq On : 26 Jun 2016 16:32
Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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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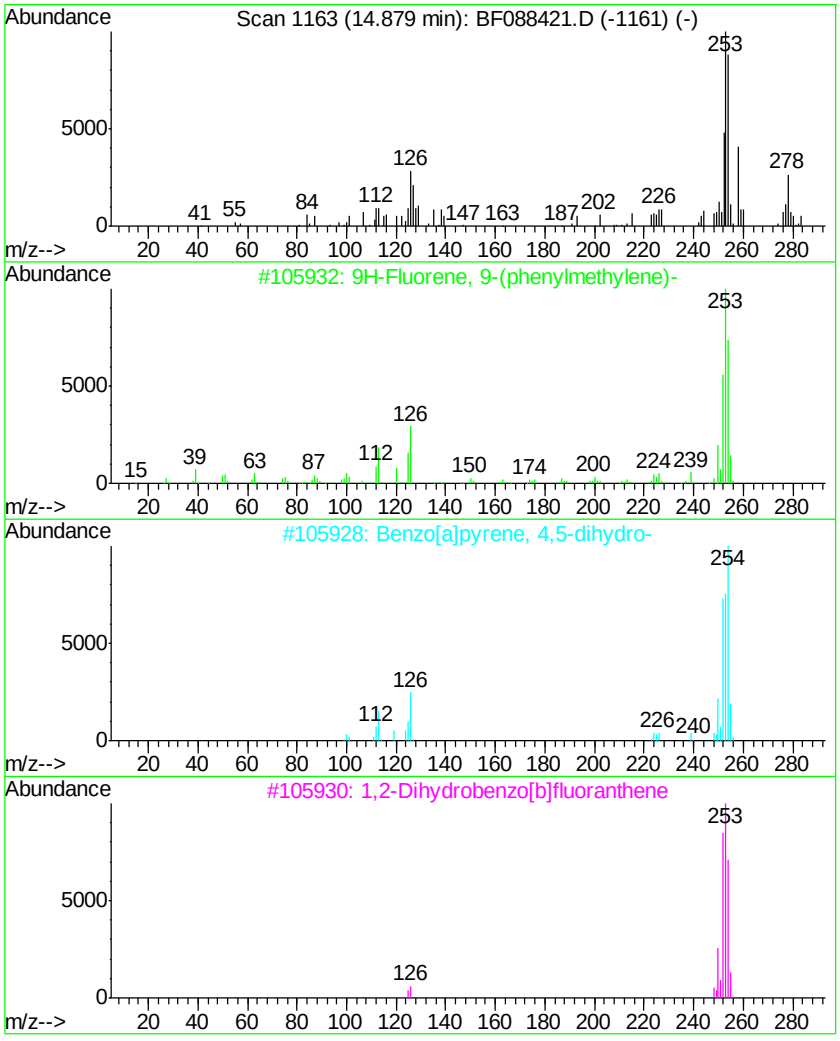
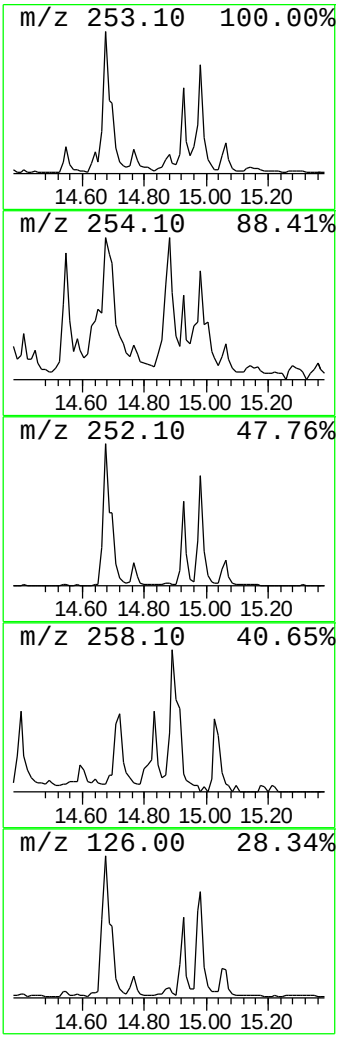
Peak Number 11 unknown14.88 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2.42 ng	89309	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	49
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	46
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	43
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43
5	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	43





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Acq On : 26 Jun 2016 16:32
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Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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

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TIC Integration Parameters: LSCINT.P

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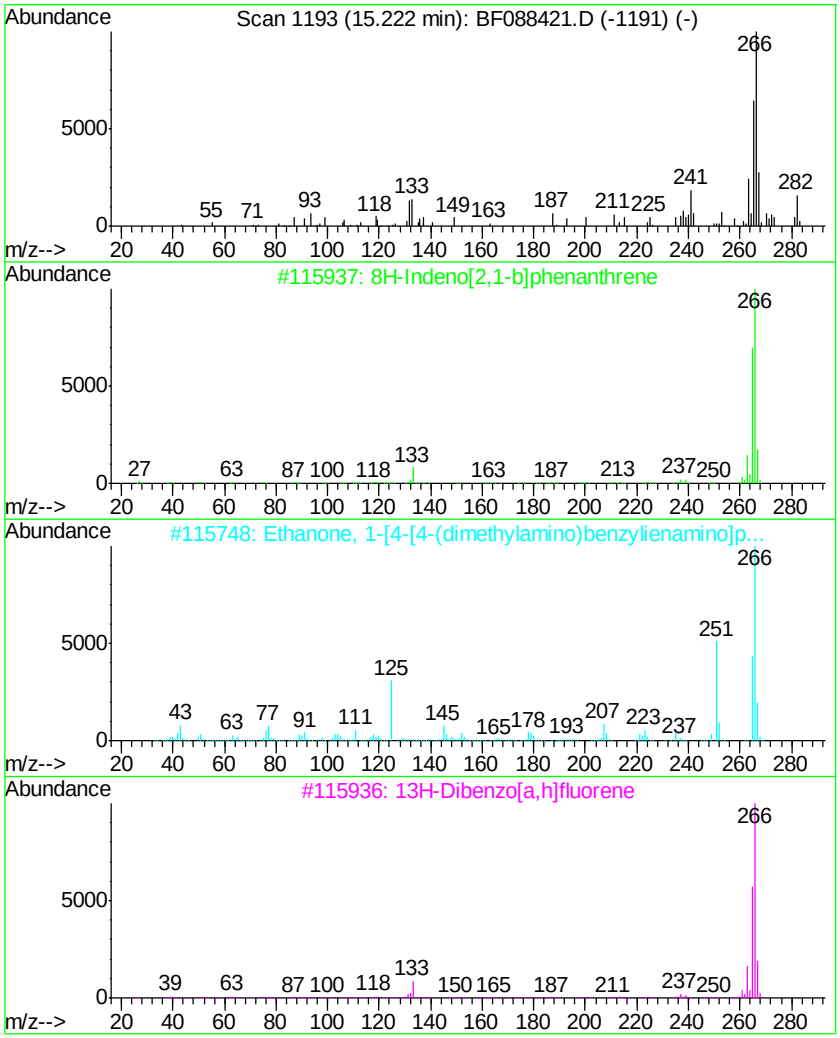
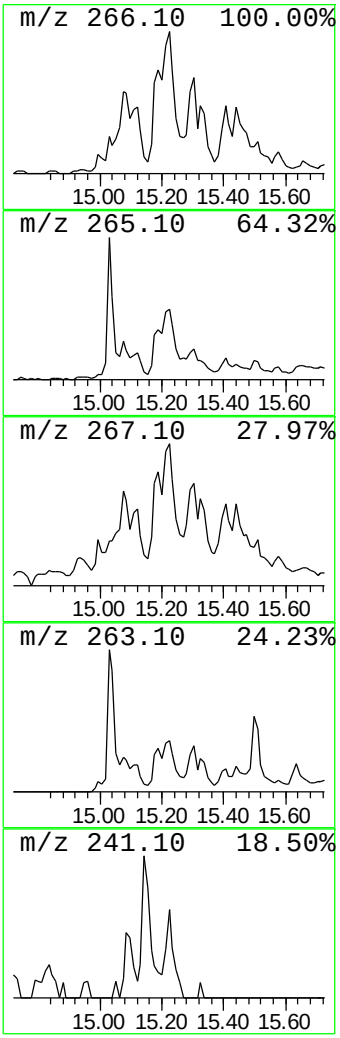
Peak Number 13 8H-Indeno[2,1-b]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	2.77 ng	102236	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	64
2	Ethanone, 1-[4-[4-(dimethylamino...	266	C17H18N2O	038131-68-9	58
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	58
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	53
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	52





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Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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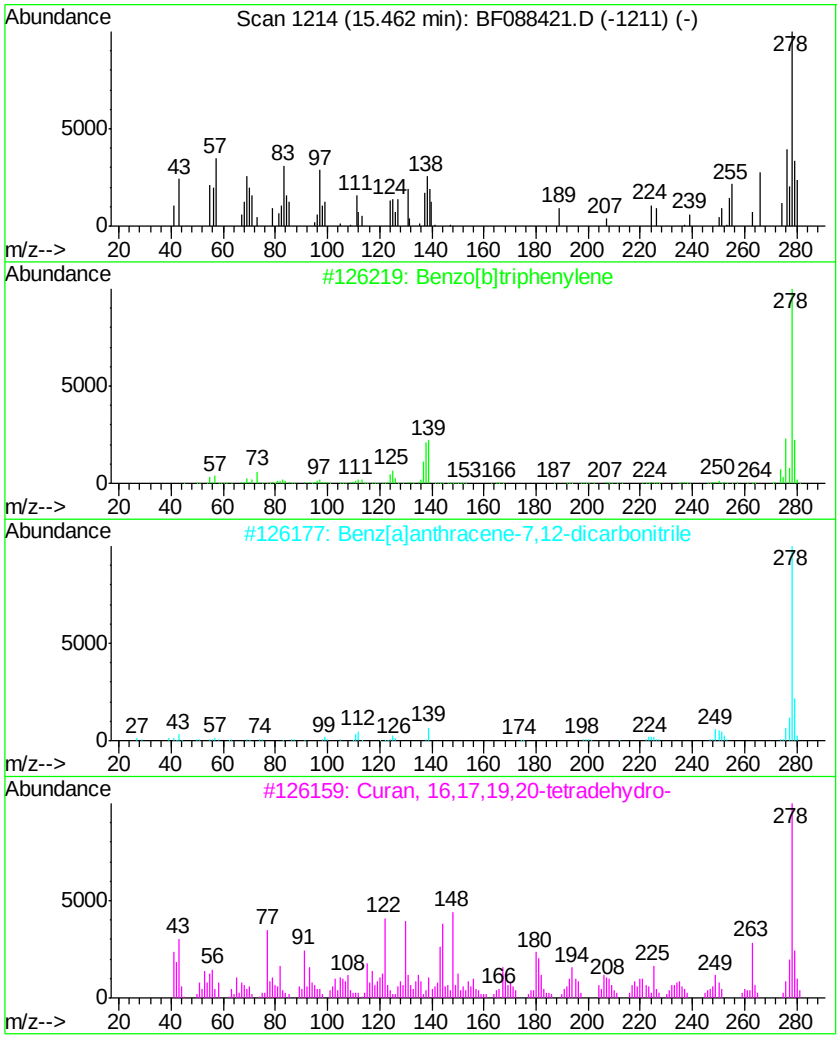
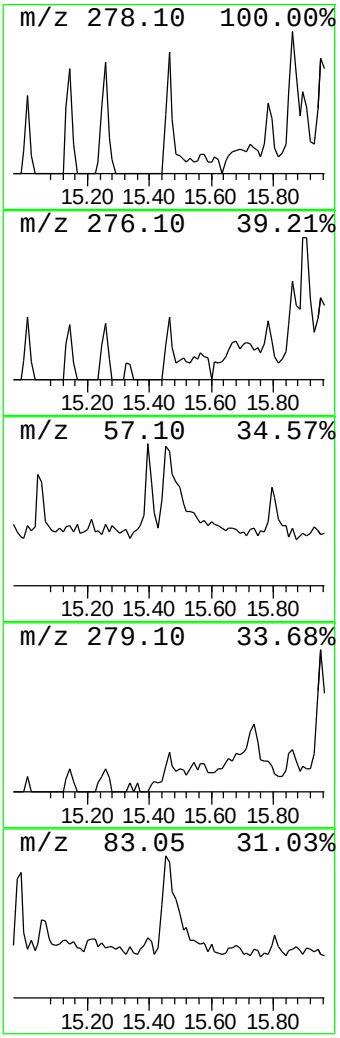
Peak Number 14 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.81 ng	103860	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	42
2	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	38
3	Curan, 16,17,19,20-tetradehydro-	278	C19H22N2	056053-17-9	38
4	Picene	278	C22H14	000213-46-7	35
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	35





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Acq On : 26 Jun 2016 16:32
Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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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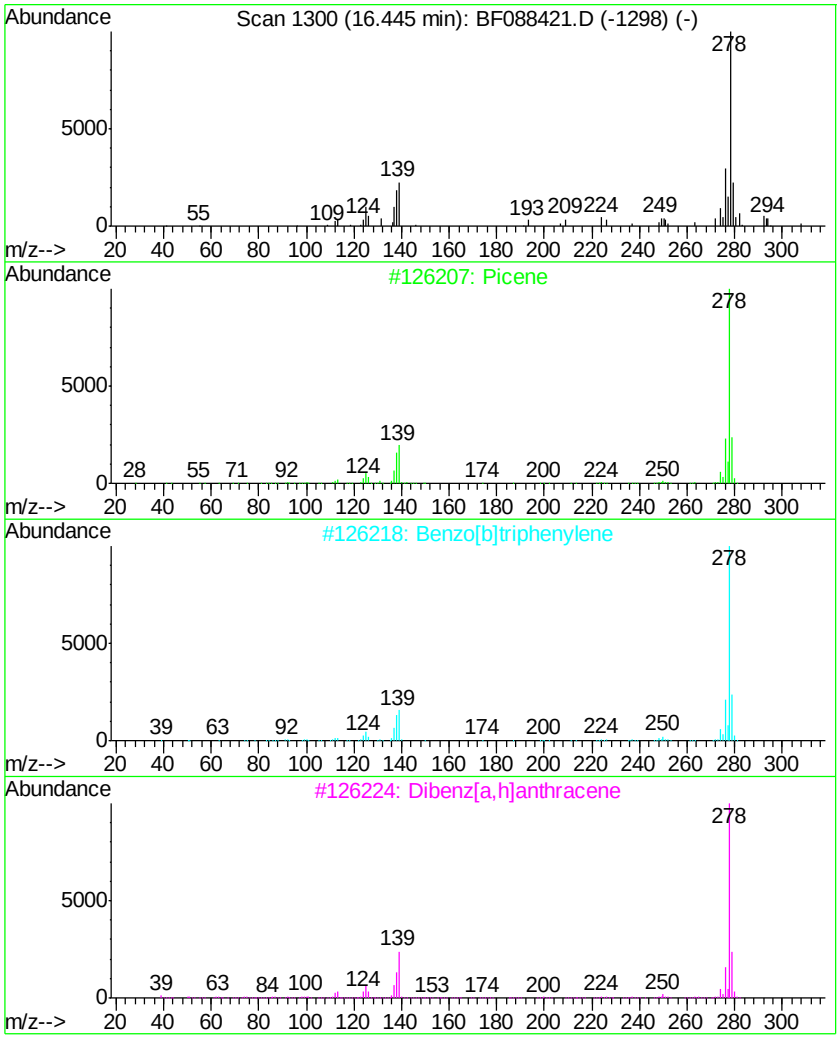
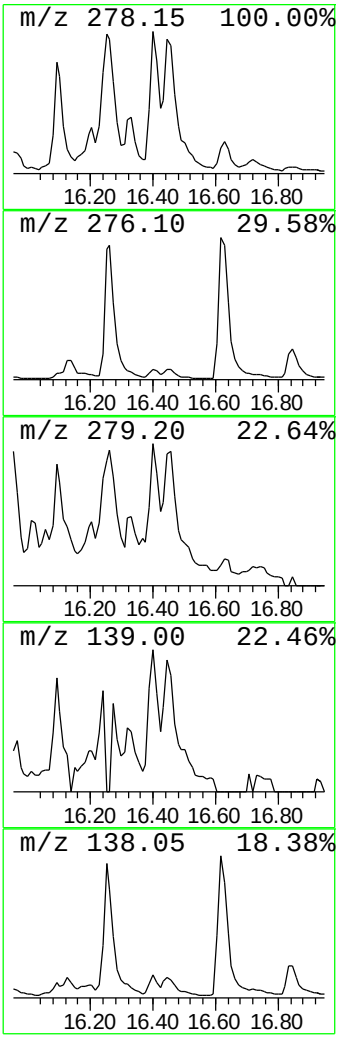
Peak Number 16 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	2.71 ng	100114	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
5	Pentaphene	278	C22H14	000222-93-5	76





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Data File : BF088421.D
Acq On : 26 Jun 2016 16:32
Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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

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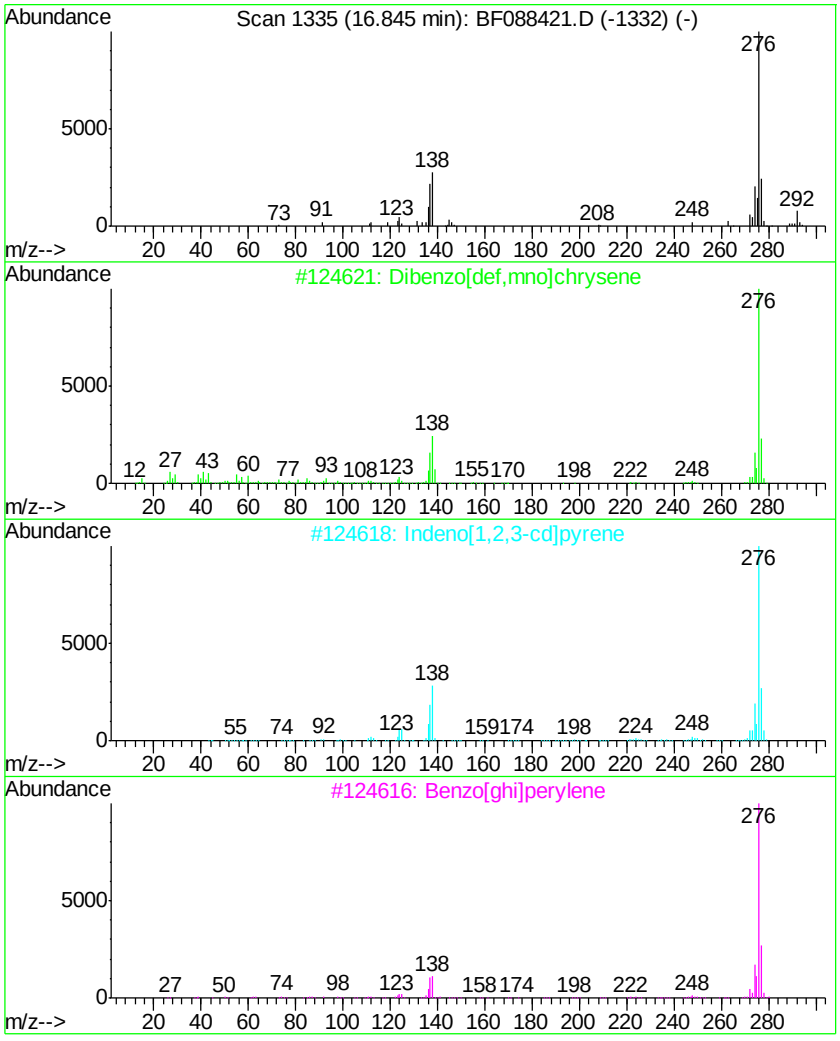
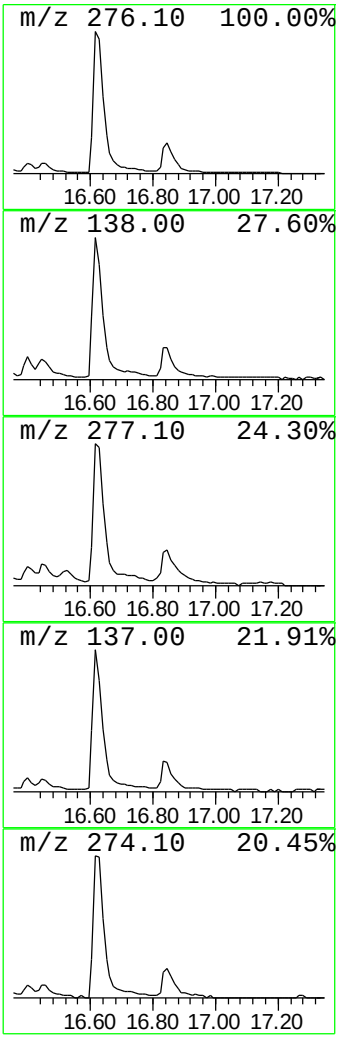
Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	3.26 ng	120257	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	43





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Acq On : 26 Jun 2016 16:32
Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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

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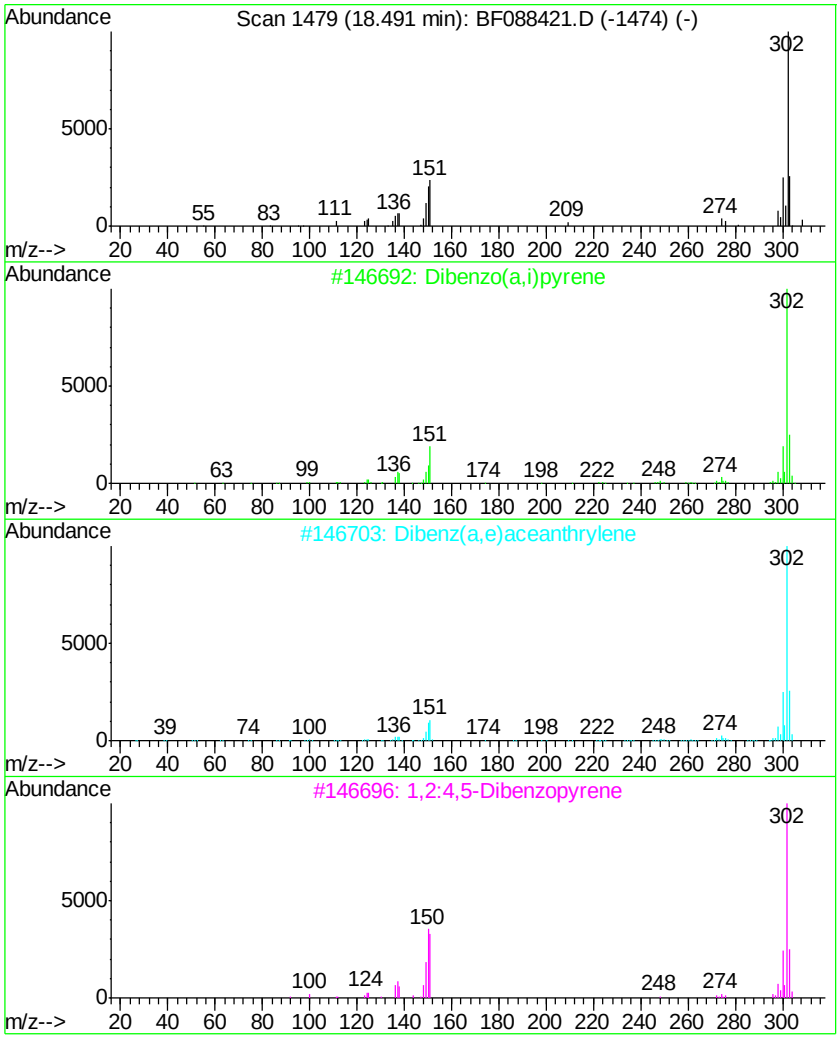
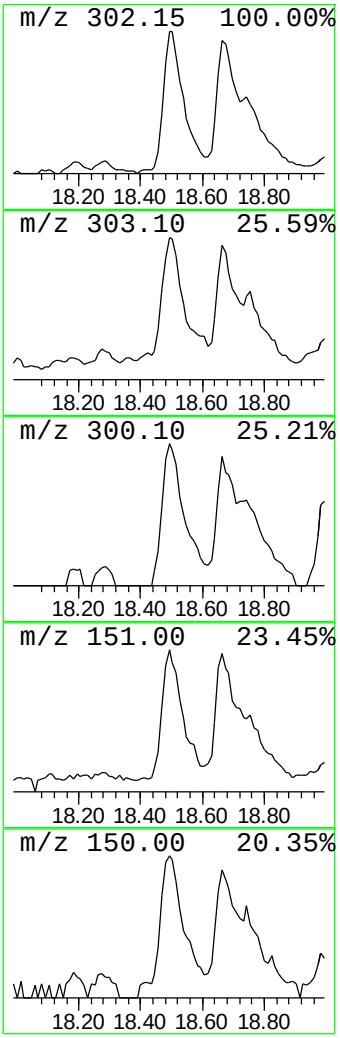
Peak Number 18 Dibenzo(a,i)pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.52 ng	167023	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	95
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088421.D
Acq On : 26 Jun 2016 16:32
Operator : UM/SJ
Sample : H3663-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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
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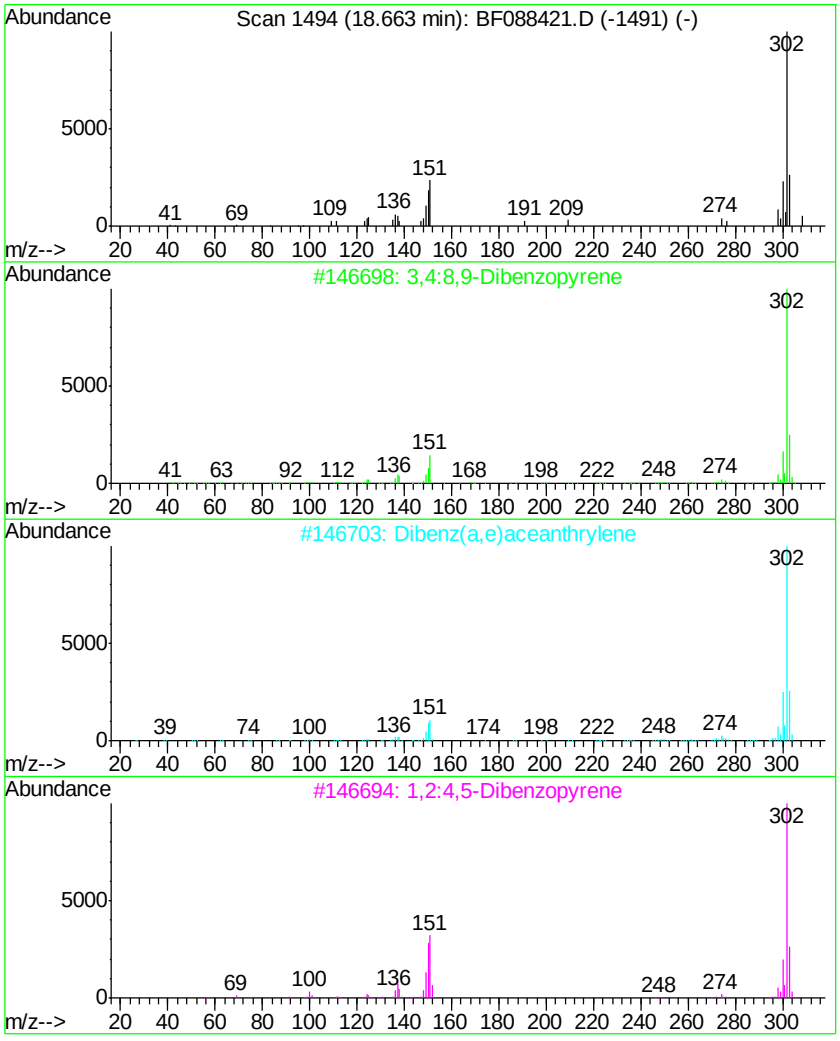
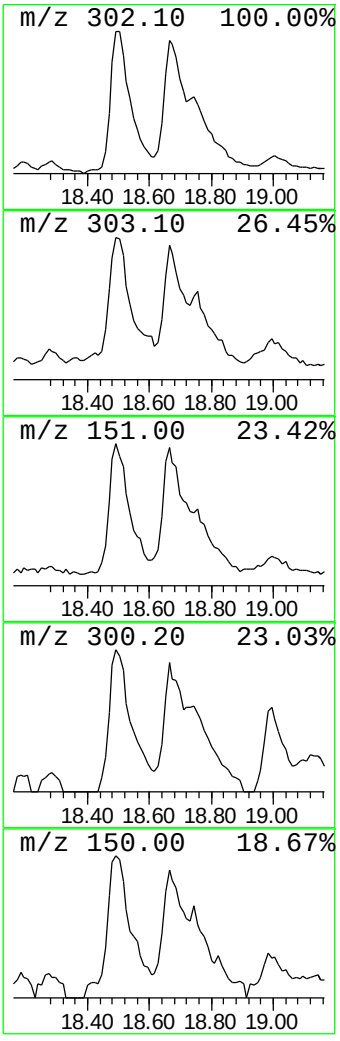
Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.69 ng	136226	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	87
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	81
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	64





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Misc :
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Instrument : BNA_F
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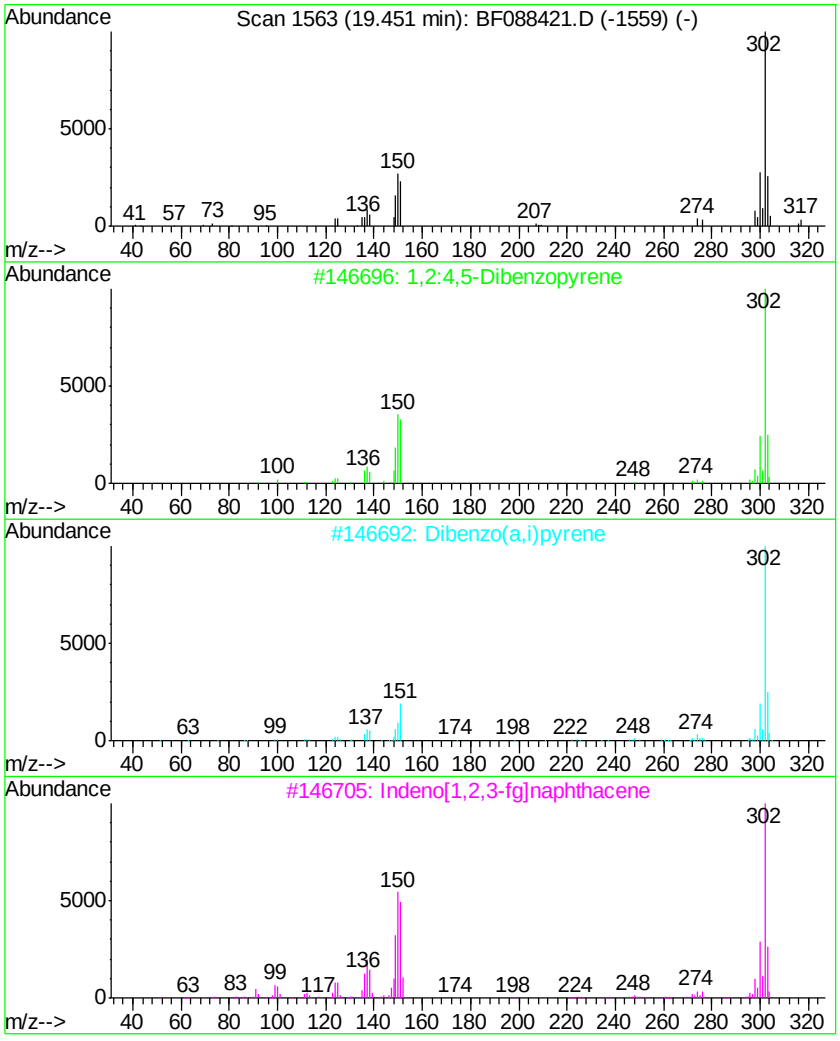
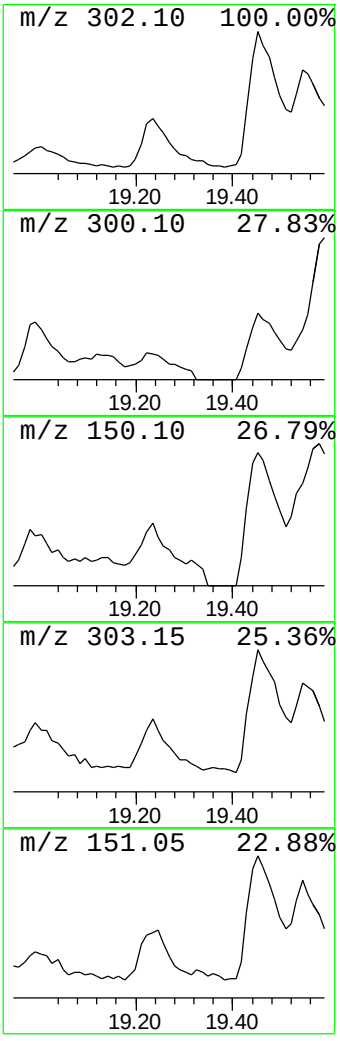
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	2.81 ng	103779	Perylene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	95
3	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	94
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	87





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...	4.67	25.1	ng	471496	1	6.55	375663	20.0
unknown6.32	6.32	100.5	ng	1887760	1	6.55	375663	20.0
4H-Cyclopenta[def...	11.66	3.5	ng	256749	4	11.05	1473550	20.0
11H-Benzo[b]fluorene	12.81	2.7	ng	274513	5	13.68	2060930	20.0
5,12-Naphthacened...	14.40	3.2	ng	118651	6	15.03	738262	20.0
Benz(a)anthracene...	14.55	2.4	ng	89759	6	15.03	738262	20.0
unknown14.88	14.88	2.4	ng	89309	6	15.03	738262	20.0
8H-Indeno[2,1-b]p...	15.22	2.8	ng	102236	6	15.03	738262	20.0
Benzo[b]triphenylene	15.46	2.8	ng	103860	6	15.03	738262	20.0
Picene	16.45	2.7	ng	100114	6	15.03	738262	20.0
Dibenzo[def,mno]c...	16.85	3.3	ng	120257	6	15.03	738262	20.0
Dibenzo(a,i)pyrene	18.49	4.5	ng	167023	6	15.03	738262	20.0
3,4:8,9-Dibenzopy...	18.66	3.7	ng	136226	6	15.03	738262	20.0
1,2:4,5-Dibenzopy...	19.45	2.8	ng	103779	6	15.03	738262	20.0