LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(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	1.701	8	10	57	rVB	1111406	2630703	100.00%	5.407%
2	4.684	269	271	283	rBV	85448	168839	6.42%	0.347%
3	5.153	309	312	328	rBV	1180307	1742722	66.25%	3.582%
4	6.227	403	406	413	rBV	1204746	1674819	63.66%	3.443%
5	6.330	413	415	418	rBV	1562754	1682946	63.97%	3.459%
6	6.559	433	435	445	rVB	382199	414478	15.76%	0.852%
7	6.719	446	449	451	rBV	1306940	1506181	57.25%	3.096%
8	7.142	483	486	488	rBV	966600	1187035	45.12%	2.440%
9	7.850	545	548	550	rBV	463435	543785	20.67%	1.118%
10	8.925	639	642	645	rBV	1936601	1890541	71.86%	3.886%
11	9.325	675	677	680	rVV	387252	350313	13.32%	0.720%
12	9.450	686	688	691	rBV	375842	353195	13.43%	0.726%
13	9.588	698	700	702	rVV	551480	573543	21.80%	1.179%
14	9.908	726	728	730	rBV	59778	71916	2.73%	0.148%
15	10.376	767	769	772	rBV2	817864	1017940	38.69%	2.092%
16	10.502	778	780	783	rVB2	98217	140115	5.33%	0.288%
17	10.571	783	786	791	rBV2	23983	69416	2.64%	0.143%
18	10.685	793	796	799	rVV2	75371	130598	4.96%	0.268%
19	10.811	804	807	808	rVV	137244	157528	5.99%	0.324%
20	10.925	815	817	818	rVV	92638	113433	4.31%	0.233%
21	10.948	818	819	821	rVV	52264	69688	2.65%	0.143%
22	11.062	827	829	830	rBV	367371	452161	17.19%	0.929%
23	11.085	830	831	834	rVV	372142	533697	20.29%	1.097%
24	11.142	834	836	838	rVV	346415	344759	13.11%	0.709%
25	11.176	838	839	842	rVV2	116742	157777	6.00%	0.324%
26	11.222	842	843	848	rVB3	36809	90768	3.45%	0.187%
27	11.325	848	852	854	rBV3	120168	249763	9.49%	0.513%
28	11.394	856	858	863	rVB3	48857	108675	4.13%	0.223%
29	11.565	871	873	874	rBV	293423	278020	10.57%	0.571%
30	11.599	874	876	878	rVV	330179	382615	14.54%	0.786%
31	11.645	878	880	881	rVV	227306	231056	8.78%	0.475%
32	11.679	881	883	888	rVB2	376713	732286	27.84%	1.505%
33	11.862	895	899	901	rVV	210170	238544	9.07%	0.490%
34	12.011	909	912	913	rBV	102960	128474	4.88%	0.264%

LSC Area Percent Report

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Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(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	12.045	913	915	919	rVB	134149	246436	9.37%	0.507%
36	12.114	919	921	923	rBV	372168	445537	16.94%	0.916%
37	12.148	923	924	927	rVB2	154183	249919	9.50%	0.514%
38	12.205	927	929	933	rVB	185958	274455	10.43%	0.564%
39	12.285	933	936	938	rBV	1847551	2502819	95.14%	5.145%
40	12.342	938	941	942	rBV2	49496	94701	3.60%	0.195%
41	12.365	942	943	946	rVB	166237	173860	6.61%	0.357%
42	12.422	946	948	949	rBV	88933	100967	3.84%	0.208%
43	12.502	952	955	958	rBV2	1579459	2450269	93.14%	5.037%
44	12.559	958	960	962	rVB2	176316	269305	10.24%	0.554%
45	12.651	962	968	971	rBV2	1197666	1605778	61.04%	3.301%
46	12.719	971	974	978	rBV2	323552	565779	21.51%	1.163%
47	12.834	982	984	986	rVB	544358	582343	22.14%	1.197%
48	12.891	986	989	991	rBV	283657	432736	16.45%	0.889%
49	12.937	991	993	996	rVB	378992	556781	21.16%	1.144%
50	13.028	999	1001	1002	rVB	155064	205248	7.80%	0.422%
51	13.051	1002	1003	1008	rVB2	221044	367579	13.97%	0.756%
52	13.119	1008	1009	1013	rVB2	67857	137309	5.22%	0.282%
53	13.234	1013	1019	1024	rBV4	143609	556831	21.17%	1.145%
54	13.314	1024	1026	1027	rBV	91486	121486	4.62%	0.250%
55	13.348	1027	1029	1032	rVB	292438	398439	15.15%	0.819%
56	13.394	1032	1033	1035	rVB2	68303	63742	2.42%	0.131%
57	13.451	1035	1038	1041	rBV2	267611	656858	24.97%	1.350%
58	13.554	1045	1047	1050	rVB2	327388	416951	15.85%	0.857%
59	13.611	1050	1052	1056	rVB2	40880	72376	2.75%	0.149%
60	13.691	1056	1059	1061	rBV2	1442536	2506802	95.29%	5.153%
61	13.725	1061	1062	1066	rVV	1135238	1241998	47.21%	2.553%
62	13.794	1066	1068	1070	rVB2	114548	201013	7.64%	0.413%
63	13.851	1070	1073	1076	rBV3	170584	318279	12.10%	0.654%
64	13.908	1076	1078	1079	rVB2	93062	82026	3.12%	0.169%
65	14.045	1089	1090	1091	rBV	109205	103491	3.93%	0.213%
66	14.079	1091	1093	1095	rVV	424729	623592	23.70%	1.282%
67	14.182	1098	1102	1103	rVV3	116158	326004	12.39%	0.670%
68	14.205	1103	1104	1109	rVV2	226675	400132	15.21%	0.822%
69	14.274	1109	1110	1113	rVB3	116284	141048	5.36%	0.290%
70	14.411	1117	1122	1125	rBV2	144973	403434	15.34%	0.829%
71	14.457	1125	1126	1127	rBV	79208	92550	3.52%	0.190%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3622-19
Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1471(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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.560	1133	1135	1137	rBV	180181	193616	7.36%	0.398%
73	14.605	1137	1139	1141	rVV2	58960	67398	2.56%	0.139%
74	14.697	1144	1147	1151	rBV	1077310	2203103	83.75%	4.529%
75	14.788	1153	1155	1157	rVV	223740	293560	11.16%	0.603%
76	14.868	1160	1162	1164	rBV	80511	158460	6.02%	0.326%
77	14.948	1166	1169	1172	rVV	561248	762979	29.00%	1.568%
78	15.005	1172	1174	1177	rVV	762293	1034810	39.34%	2.127%
79	15.051	1177	1178	1179	rVV	290591	316109	12.02%	0.650%
80	15.074	1179	1180	1189	rVB2	223048	577872	21.97%	1.188%
81	15.200	1189	1191	1193	rBV	84509	140752	5.35%	0.289%
82	15.245	1193	1195	1198	rVV	70365	108705	4.13%	0.223%
83	15.314	1199	1201	1203	rVV2	53134	82054	3.12%	0.169%
84	15.428	1207	1211	1212	rBV2	53015	96362	3.66%	0.198%
85	15.462	1212	1214	1217	rVV2	32916	76809	2.92%	0.158%
86	15.520	1217	1219	1221	rVB	52730	65233	2.48%	0.134%
87	15.943	1253	1256	1257	rBV3	32217	65877	2.50%	0.135%
88	15.977	1257	1259	1261	rVV2	44763	87050	3.31%	0.179%
89	16.023	1261	1263	1266	rVB2	48177	94295	3.58%	0.194%
90	16.114	1268	1271	1273	rVV2	44999	93356	3.55%	0.192%
91	16.194	1276	1278	1283	rVB5	30282	67862	2.58%	0.139%
92	16.285	1283	1286	1290	rBV	281701	563228	21.41%	1.158%
93	16.343	1290	1291	1294	rVB	51039	67423	2.56%	0.139%
94	16.423	1295	1298	1300	rBV	78410	151766	5.77%	0.312%
95	16.468	1300	1302	1306	rVB2	49023	98499	3.74%	0.202%
96	16.651	1316	1318	1327	rVB	143277	319469	12.14%	0.657%
97	16.868	1334	1337	1343	rVB2	44555	105382	4.01%	0.217%
98	18.526	1476	1482	1492	rBV2	39483	190631	7.25%	0.392%
99	18.697	1493	1497	1502	rBV2	23664	97079	3.69%	0.200%
100	19.486	1562	1566	1571	rBV2	15728	62690	2.38%	0.129%

Sum of corrected areas: 48649631

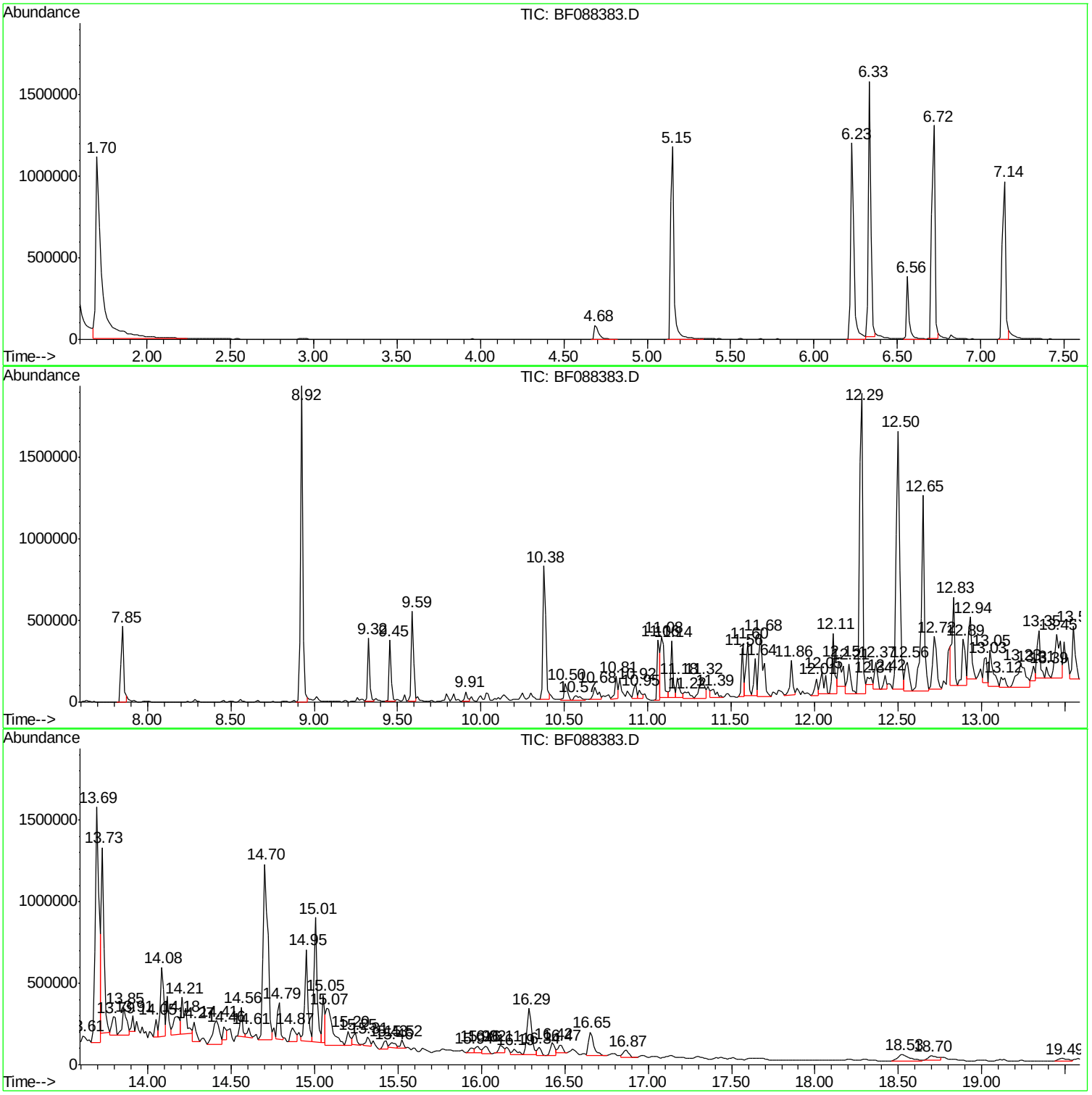
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(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\BF062516\
Data File : BF088383.D
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Sample : H3622-19
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Instrument : BNA_F
ClientSampleId : SC-STA-1471(0-4)

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

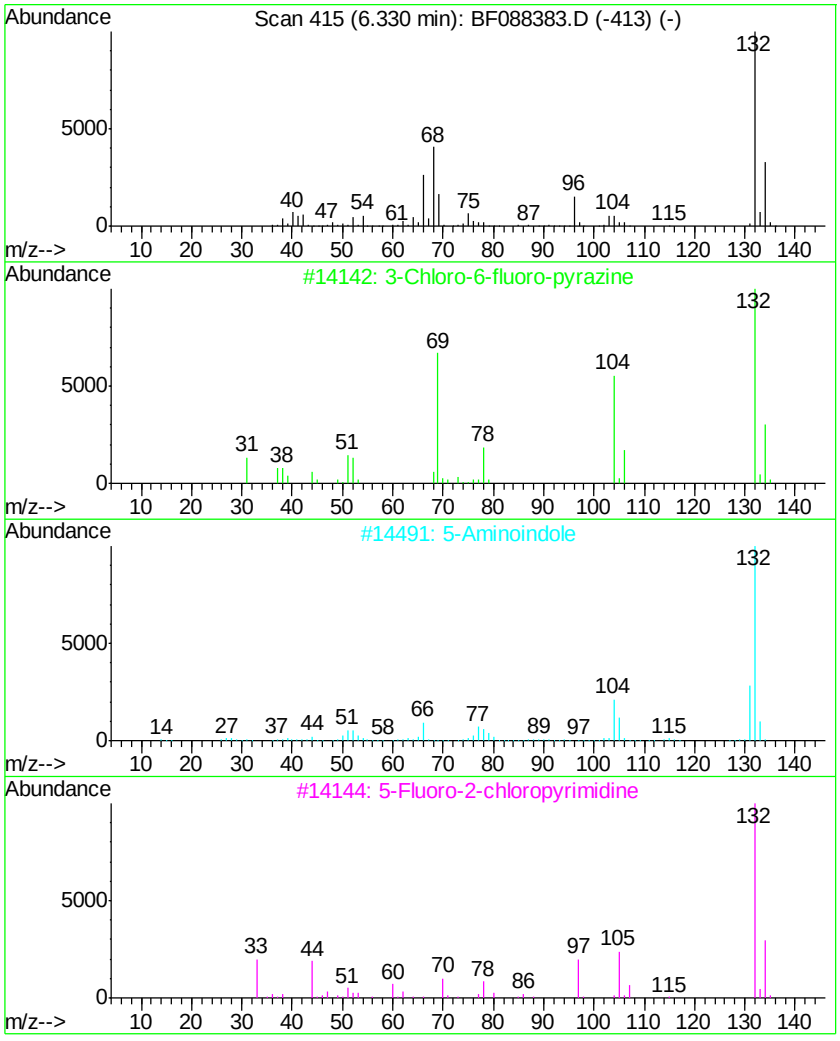
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

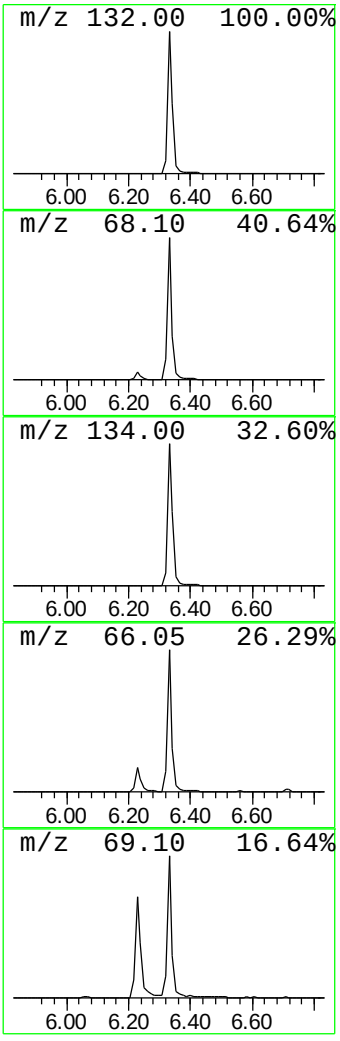
****

Peak Number 2 unknown6.33 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	81.21 ng	1682950	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(0-4)

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

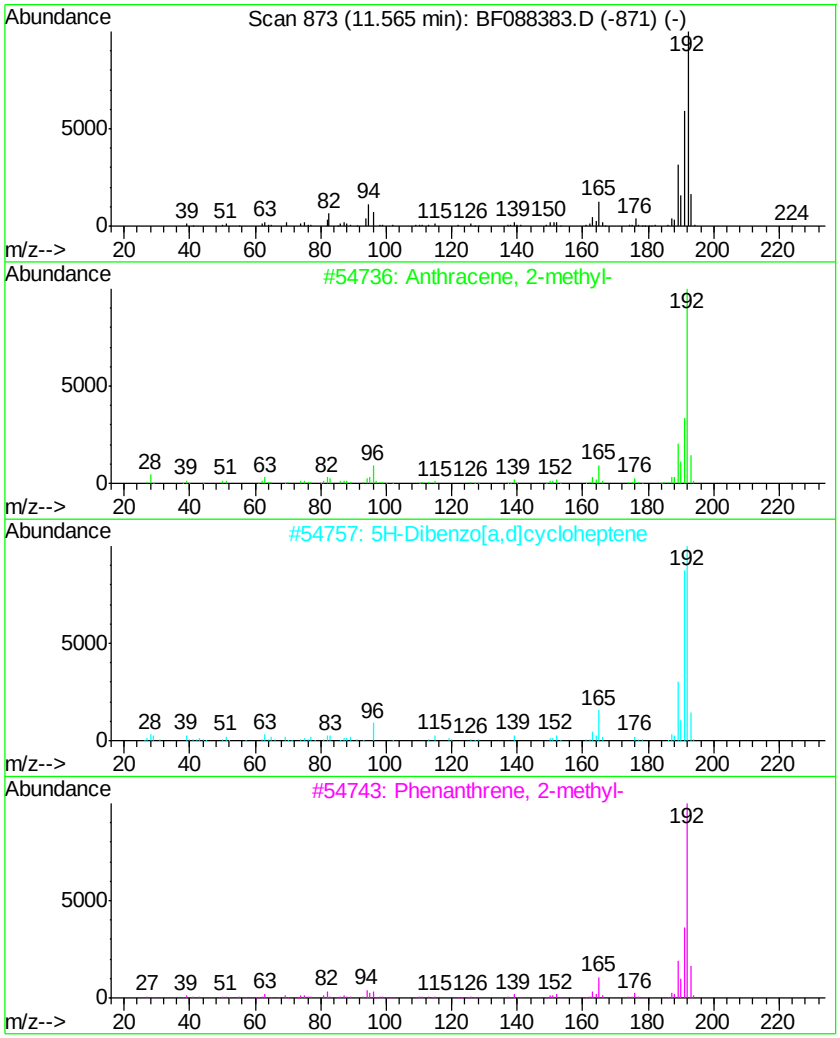
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

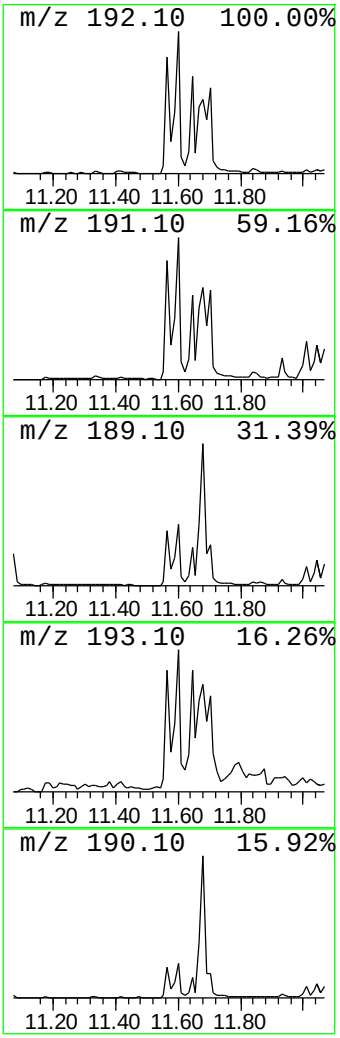
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	12.30 ng	278020	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(0-4)

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

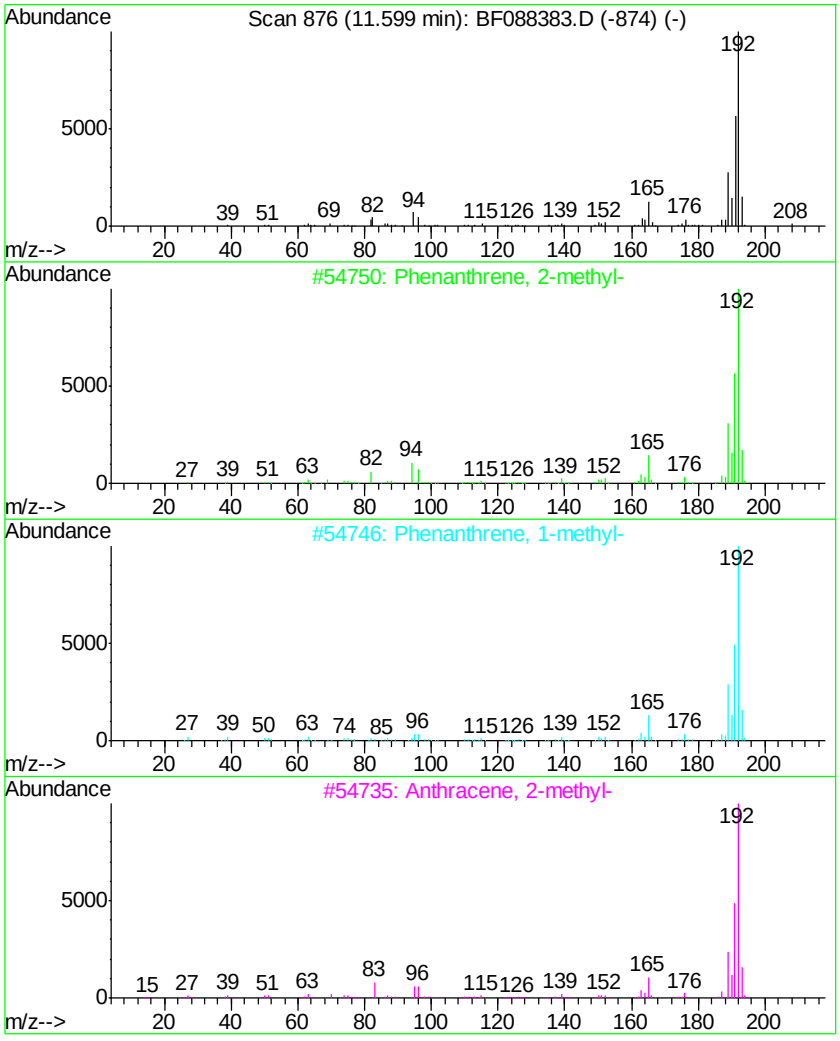
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

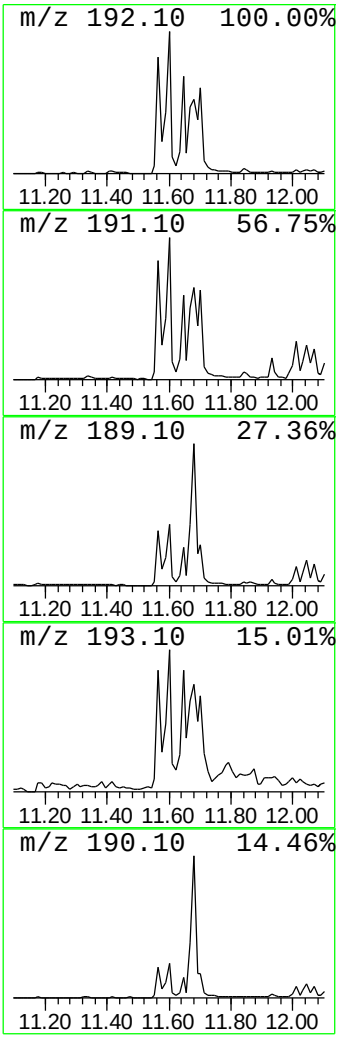
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	16.92 ng	382615	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-STA-1471(0-4)

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

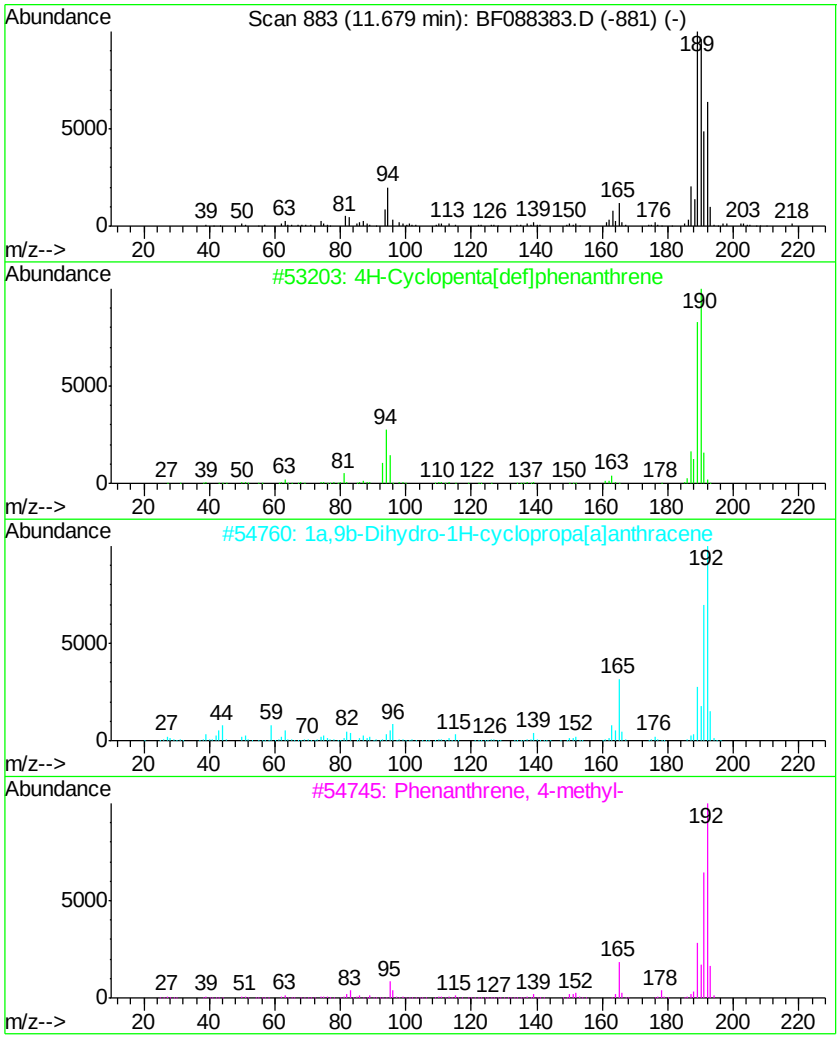
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

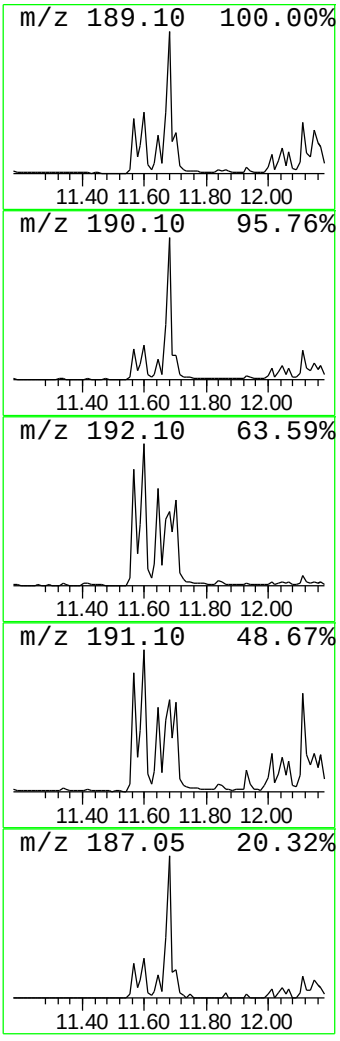
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	32.39 ng	732286	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	35
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(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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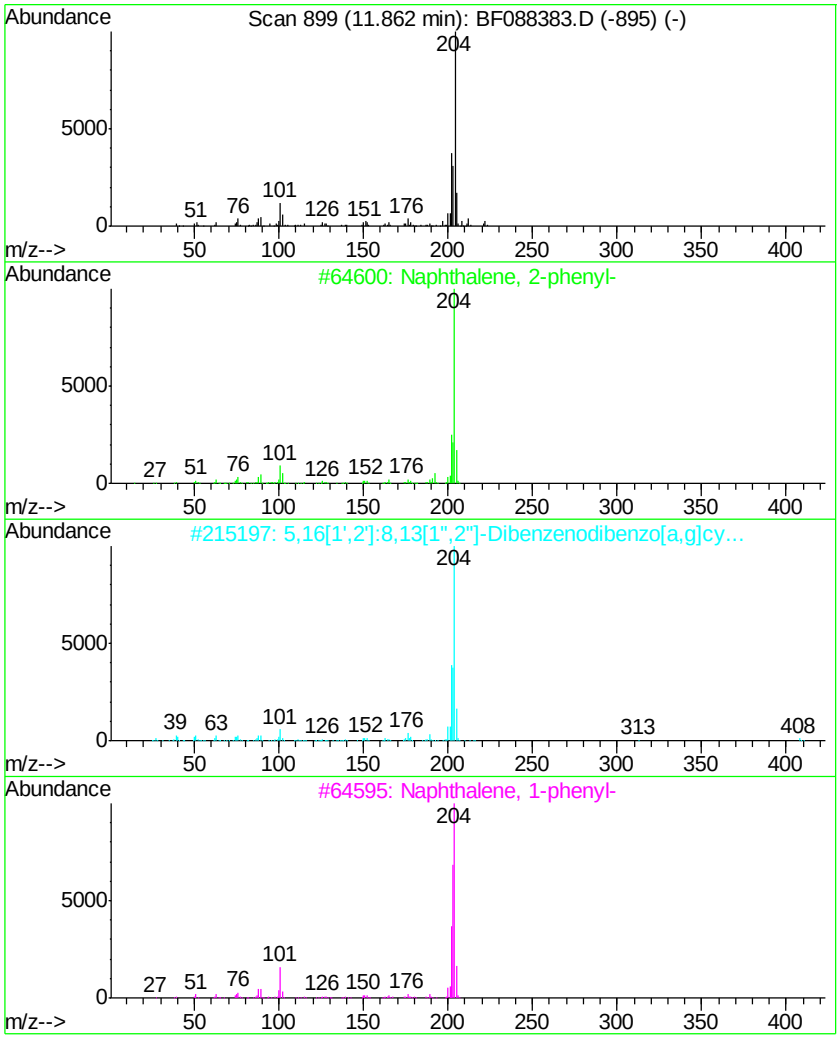
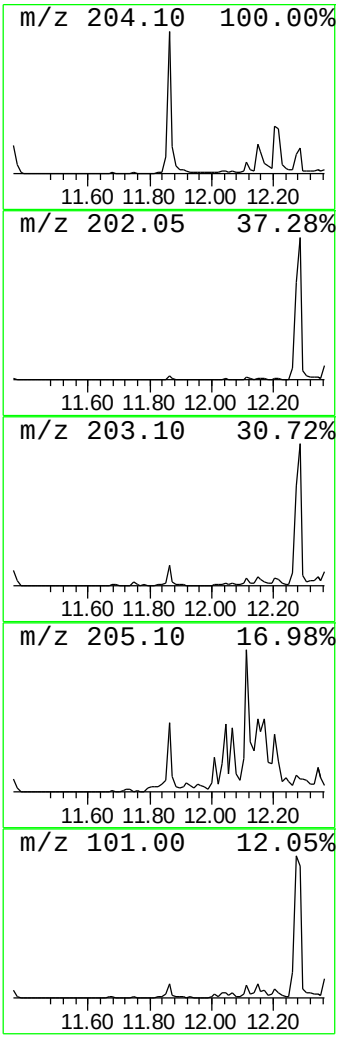
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	10.55 ng	238544	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64





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Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(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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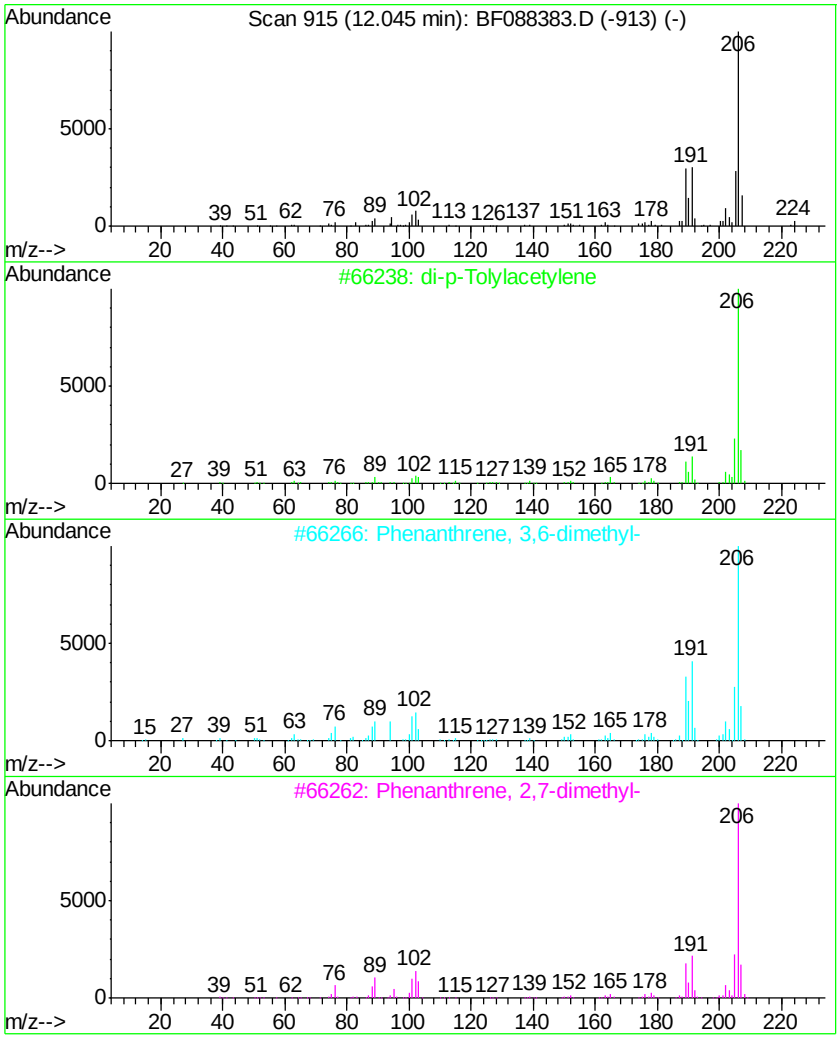
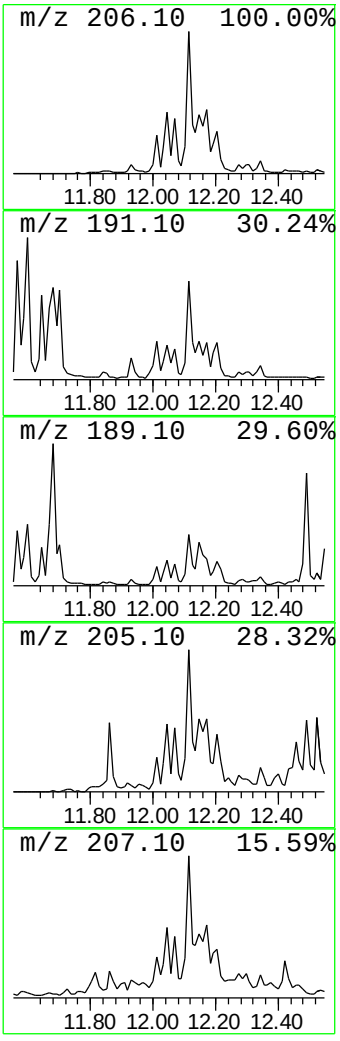
Peak Number 9 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	10.90 ng	246436	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74





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ClientSampleId : SC-STA-1471(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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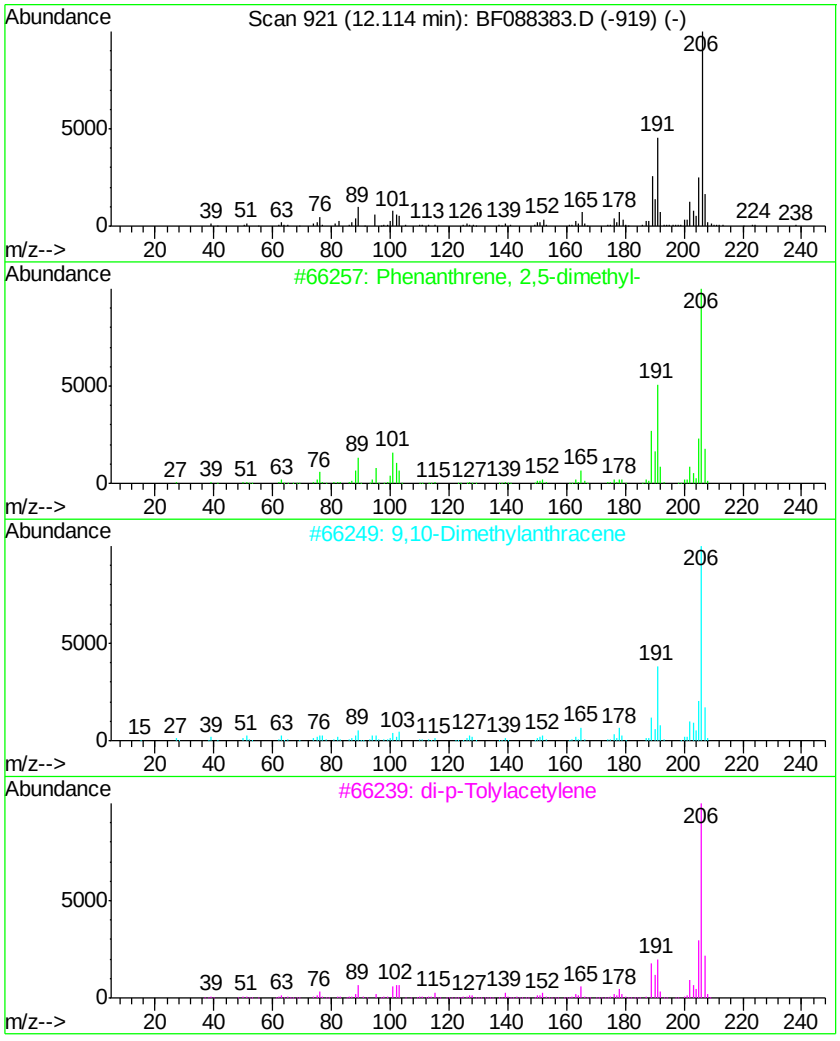
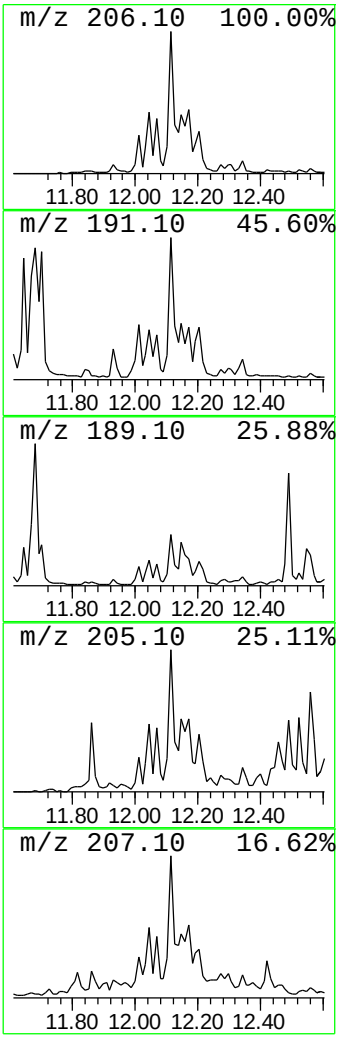
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	19.71 ng	445537	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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Sample : H3622-19
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Instrument : BNA_F
ClientSampleId : SC-STA-1471(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
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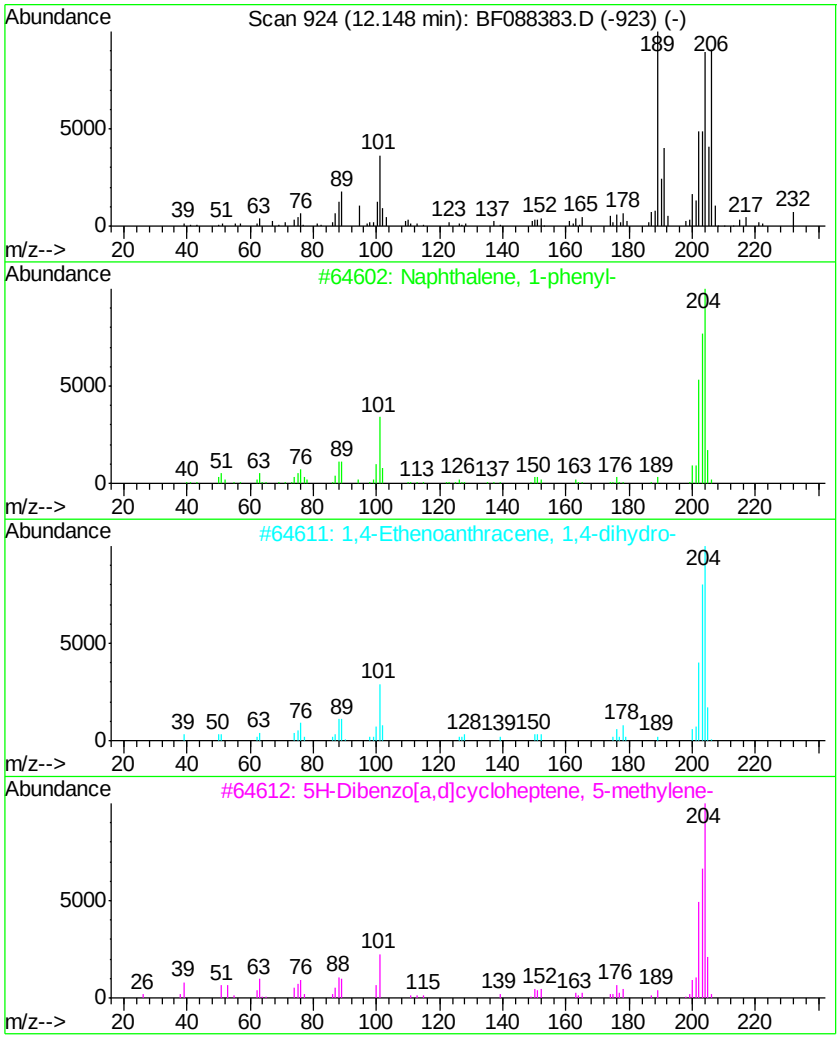
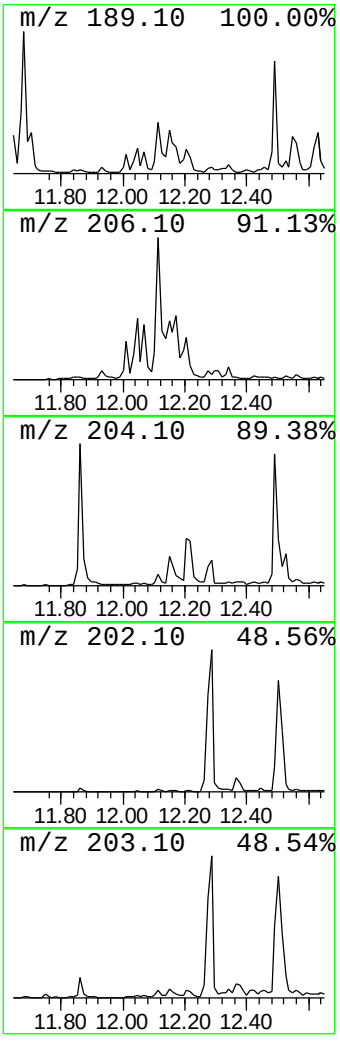
Peak Number 11 unknown12.15 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	11.05 ng	249919	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
2	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	35
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30





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ClientSampleId : SC-STA-1471(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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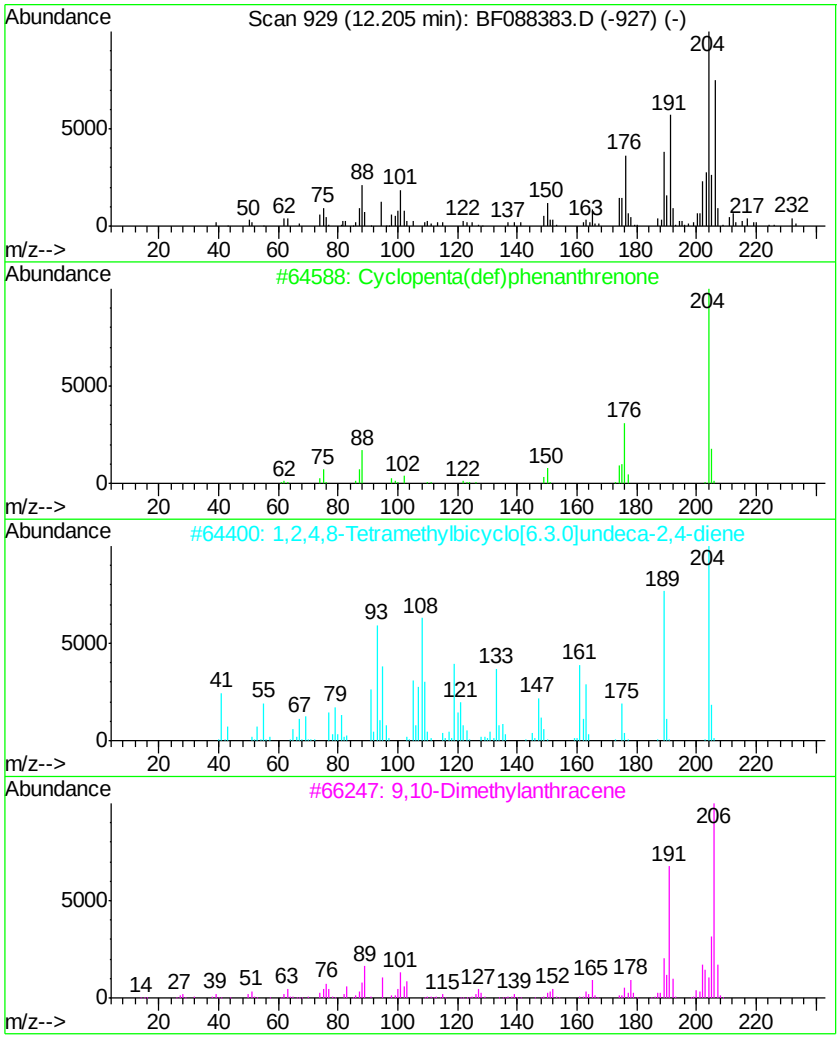
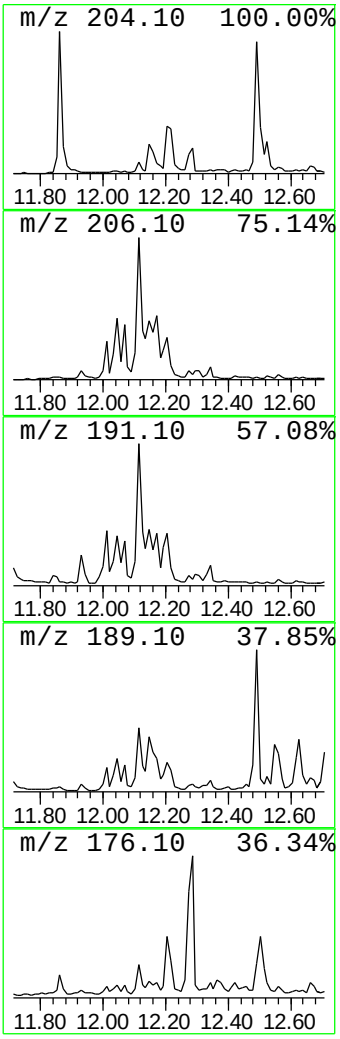
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	12.14 ng	274455	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	45
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	43
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43





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Sample : H3622-19
Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1471(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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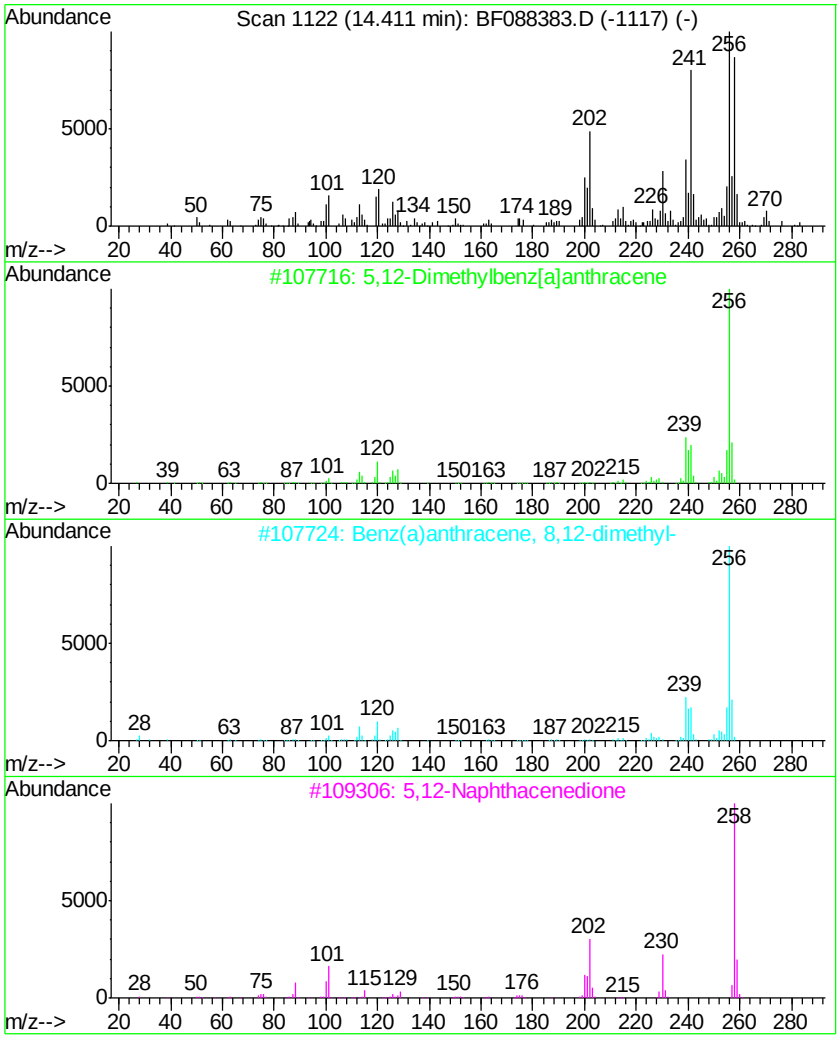
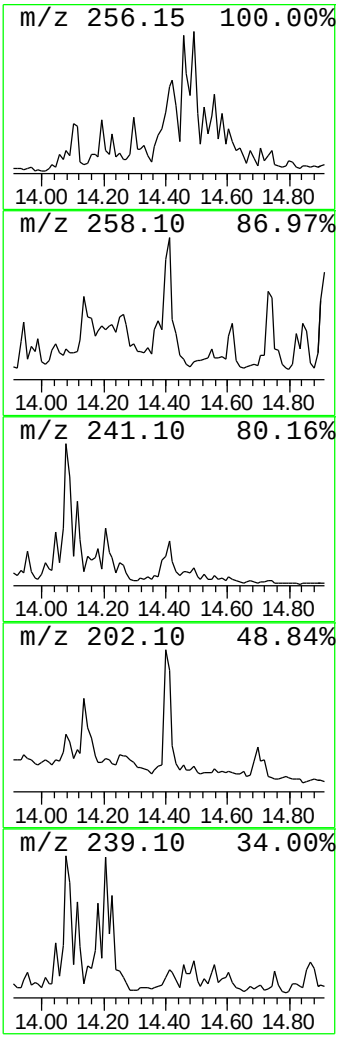
Peak Number 13 5,12-Dimethylbenz[a]anthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	25.53 ng	403434	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	89
2	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	83
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	81
4	Chrysene, 5-ethyl-	256	C20H16	054986-62-8	66
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	66





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Misc :
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ClientSampleId : SC-STA-1471(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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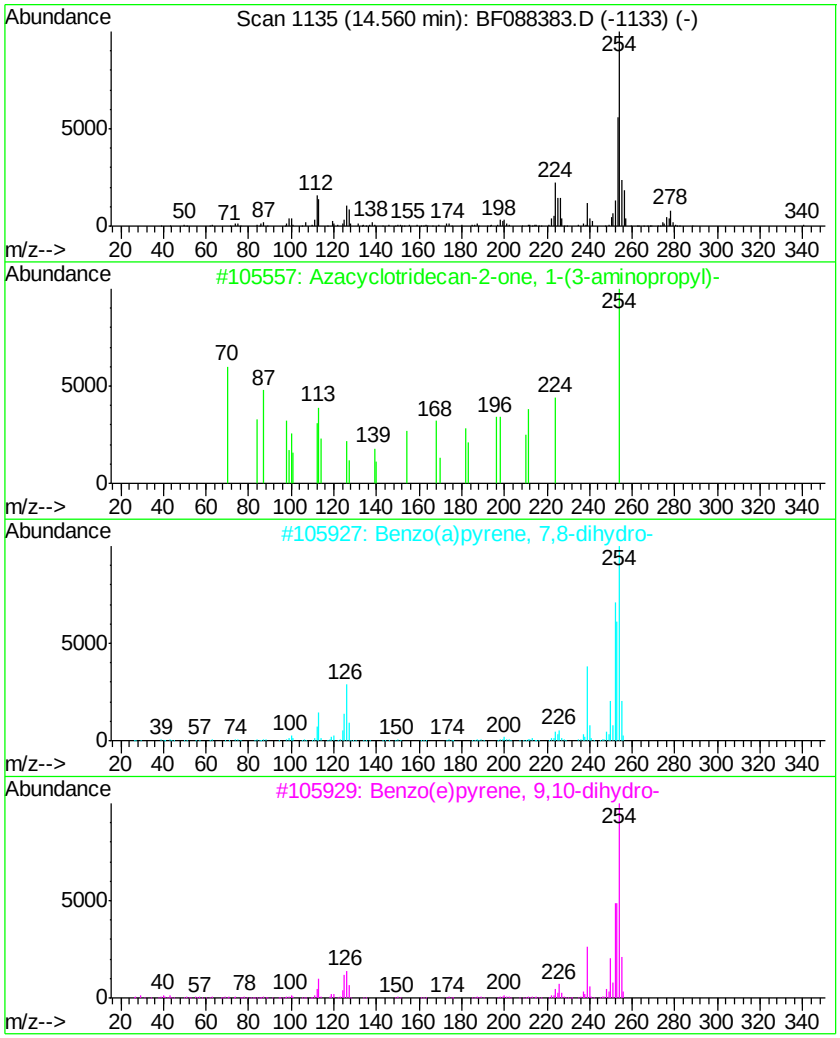
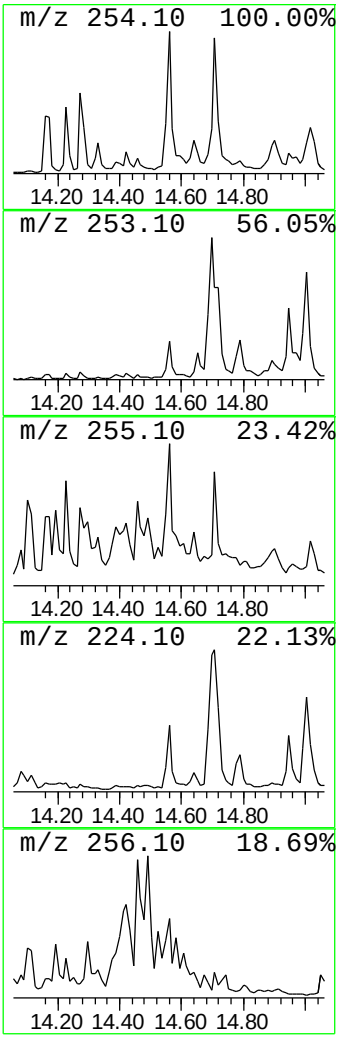
Peak Number 14 Azacyclotridecan-2-one, 1-(... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	12.25 ng	193616	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	89
2	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	70
3	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	64
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
5	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	59





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Instrument : BNA_F
ClientSampleId : SC-STA-1471(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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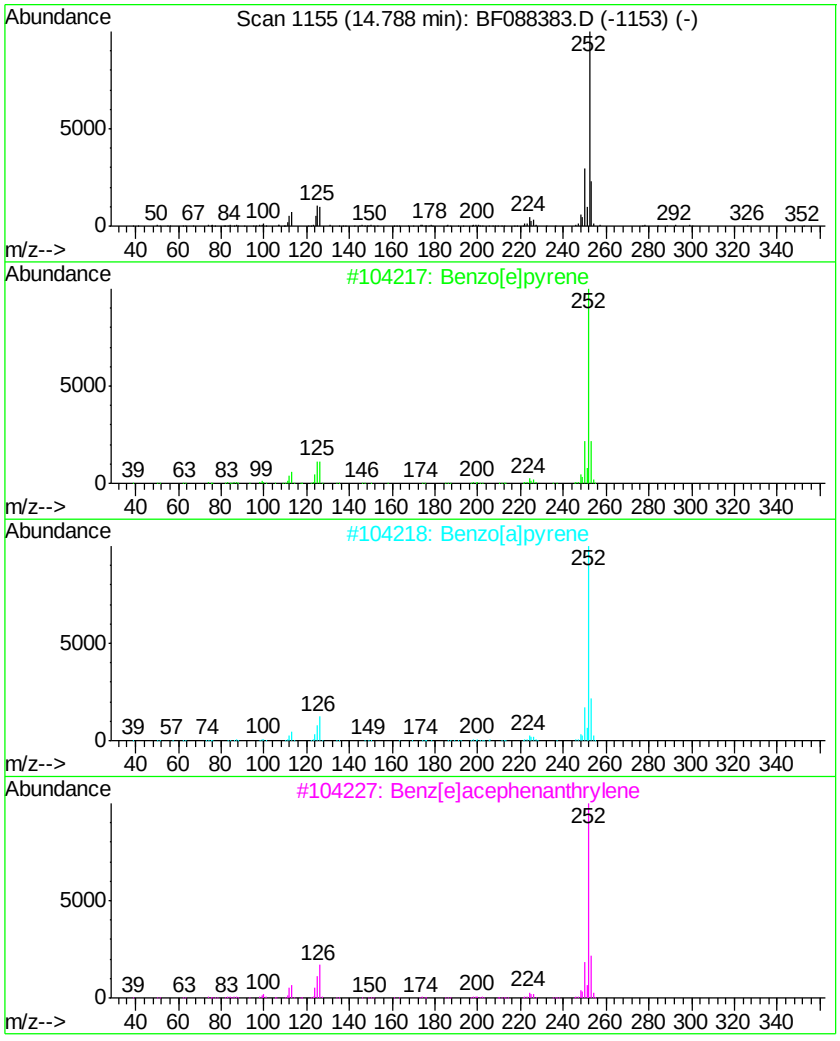
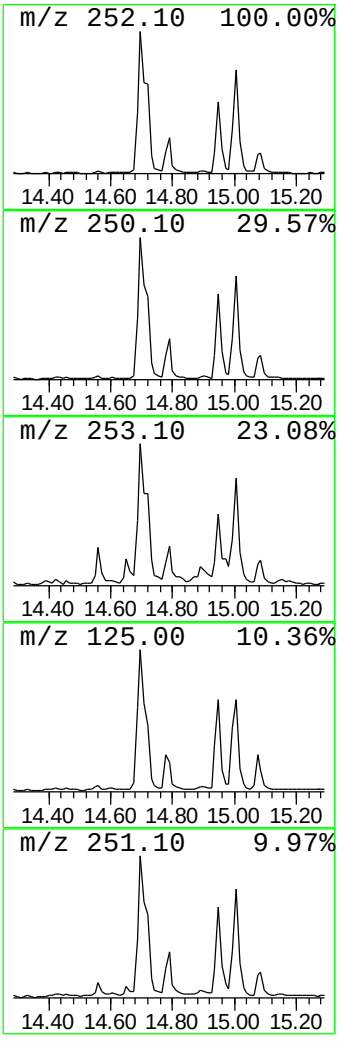
Peak Number 15 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	18.57 ng	293560	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	86
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	70





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TIC Integration Parameters: LSCINT.P

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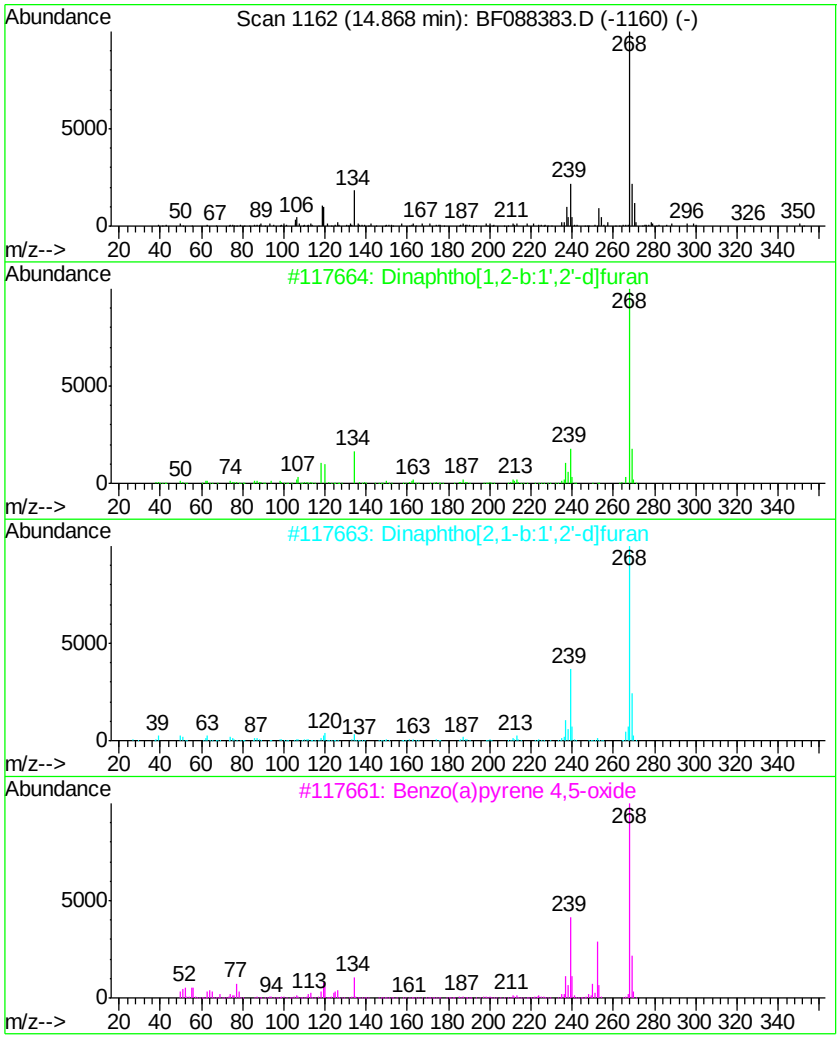
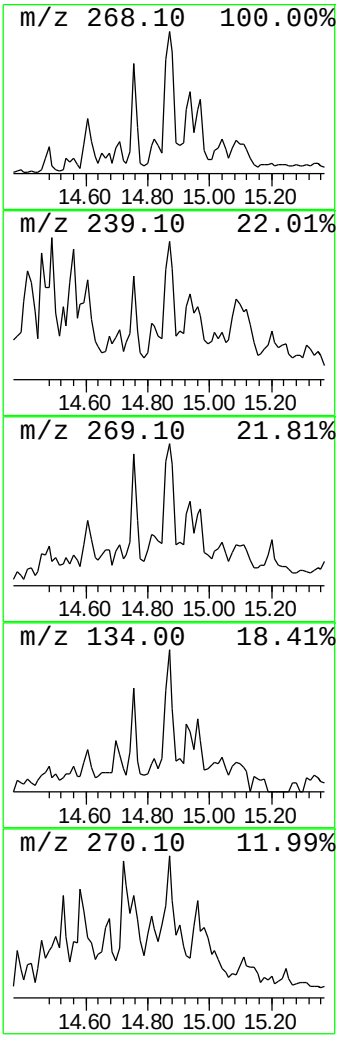
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	10.03 ng	158460	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
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	59
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	58





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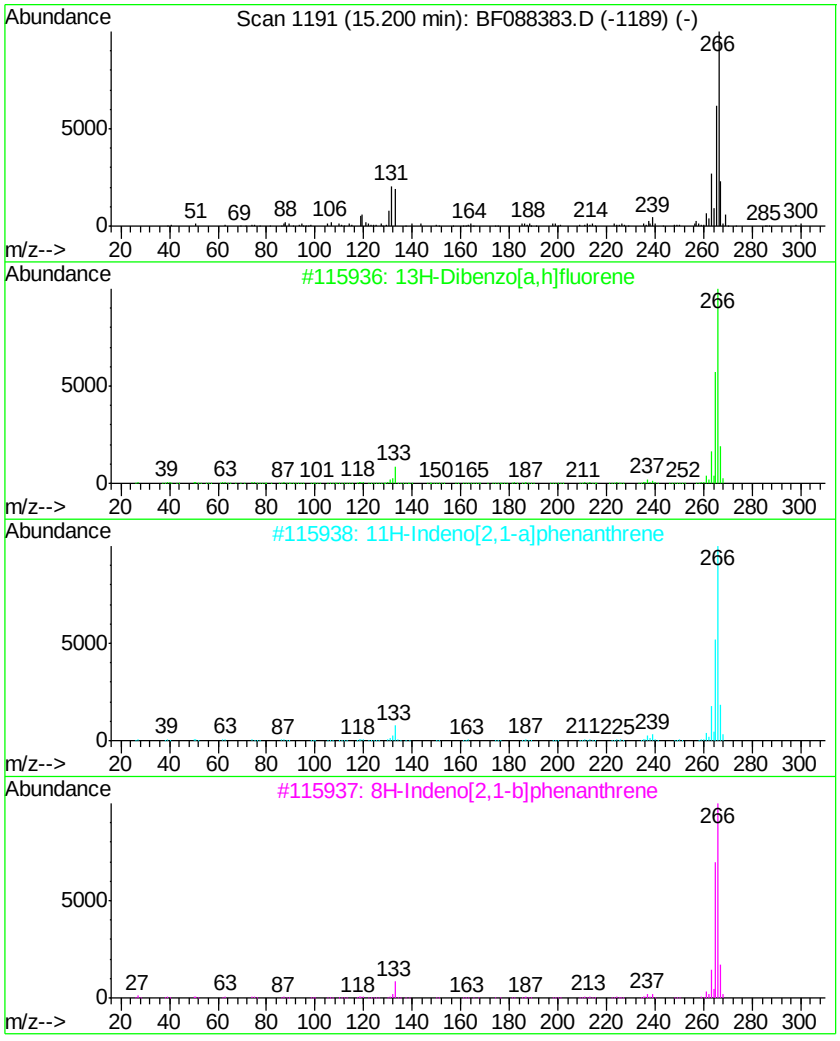
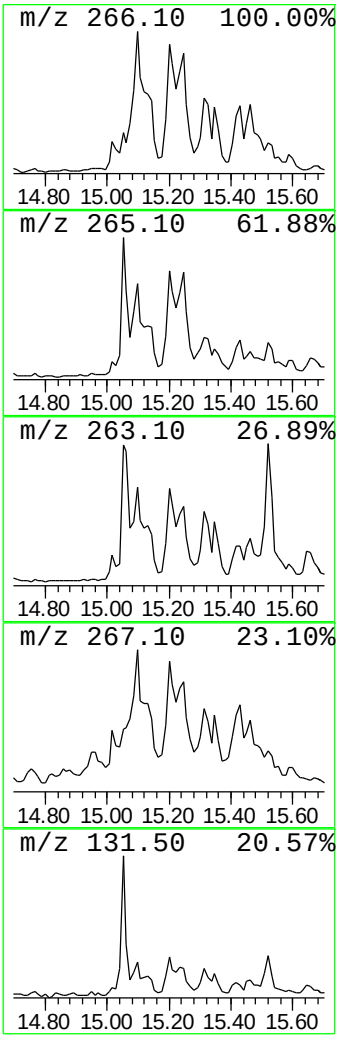
Peak Number 18 13H-Dibenzo[a,h]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	8.91 ng	140752	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	89
2	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	89
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	68
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	59
5	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	53





Library Search Compound Report

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Operator : UM/SJ
Sample : H3622-19
Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1471(0-4)

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

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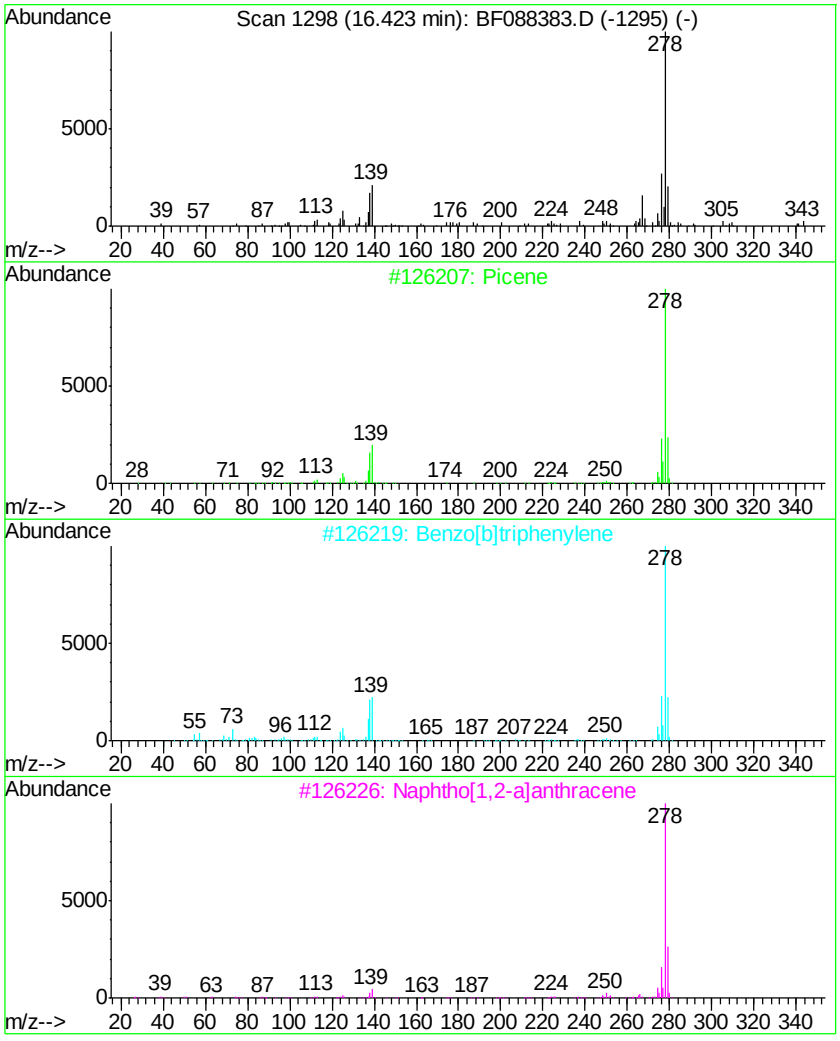
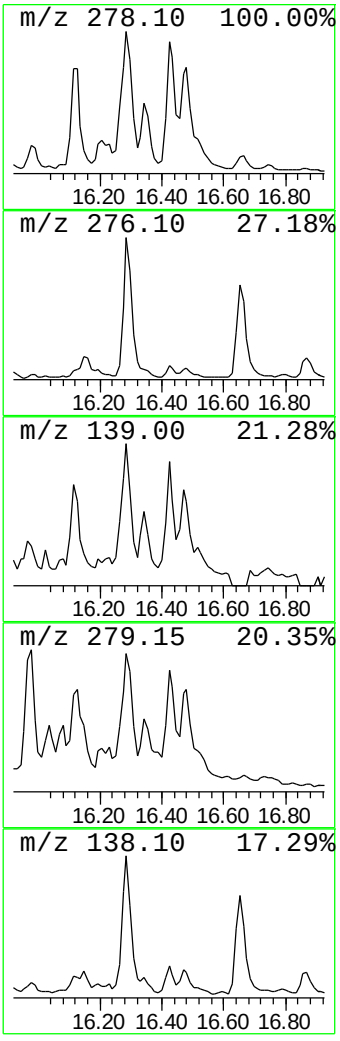
Peak Number 19 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	9.60 ng	151766	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	89
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5	Benzo[b]chrysene	278	C22H14	000214-17-5	89





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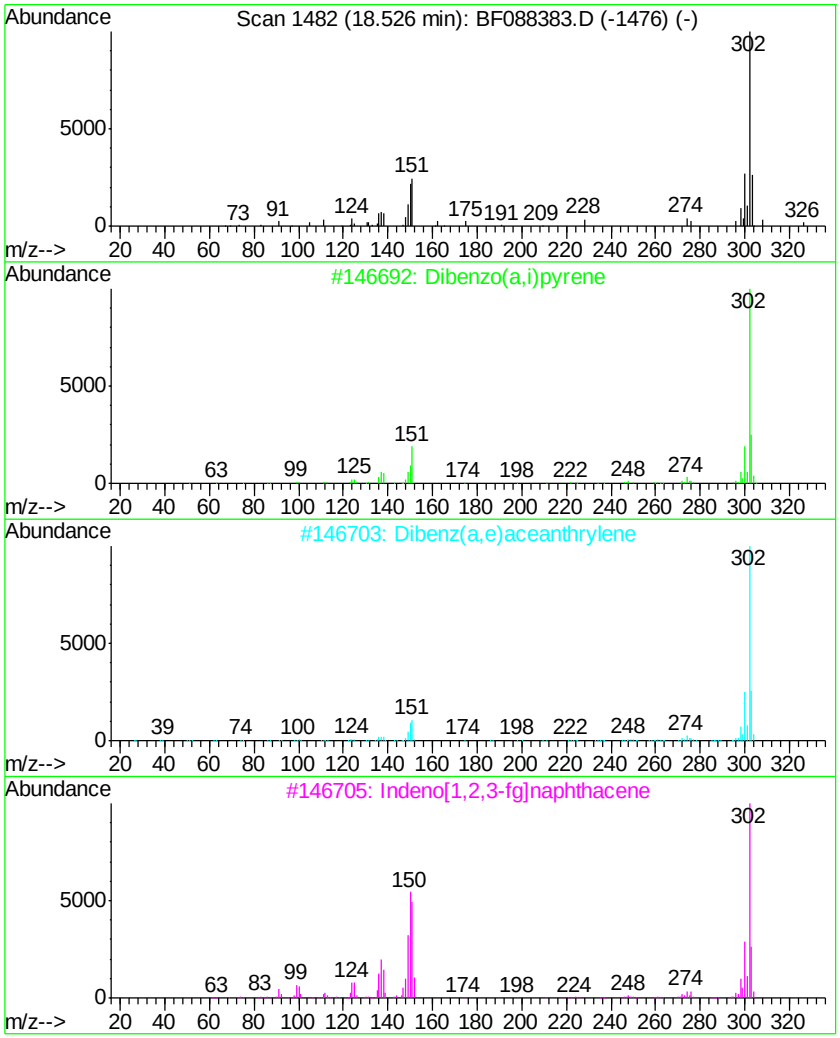
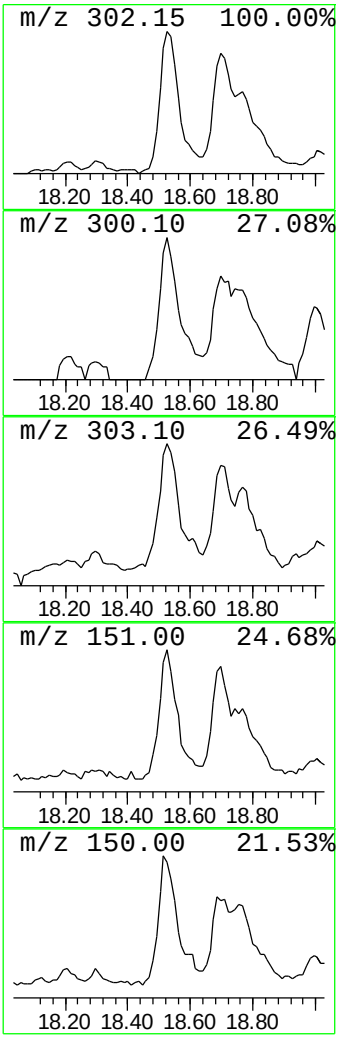
Peak Number 20 Dibenzo(a,i)pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	12.06 ng	190631	Perylene-d12	15.05

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	94
3	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	94
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93





Tentatively Identified Compound (LSC) summary

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Data File : BF088383.D
Acq On : 25 Jun 2016 18:12
Operator : UM/SJ
Sample : H3622-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1471(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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.33	6.33	81.2	ng	1682950	1	6.56	414478	20.0
Anthracene, 2-met...	11.57	12.3	ng	278020	4	11.06	452161	20.0
Phenanthrene, 2-m...	11.60	16.9	ng	382615	4	11.06	452161	20.0
4H-Cyclopenta[def...	11.68	32.4	ng	732286	4	11.06	452161	20.0
Naphthalene, 2-ph...	11.86	10.6	ng	238544	4	11.06	452161	20.0
di-p-Tolylacetylene	12.05	10.9	ng	246436	4	11.06	452161	20.0
Phenanthrene, 2,5...	12.11	19.7	ng	445537	4	11.06	452161	20.0
unknown12.15	12.15	11.1	ng	249919	4	11.06	452161	20.0
Cyclopenta(def)ph...	12.21	12.1	ng	274455	4	11.06	452161	20.0
5,12-Dimethylbenz...	14.41	25.5	ng	403434	6	15.05	316109	20.0
Azacyclotridecan-...	14.56	12.3	ng	193616	6	15.05	316109	20.0
Benzo[e]pyrene	14.79	18.6	ng	293560	6	15.05	316109	20.0
Dinaphtho[1,2-b:1...	14.87	10.0	ng	158460	6	15.05	316109	20.0
13H-Dibenzo[a,h]f...	15.20	8.9	ng	140752	6	15.05	316109	20.0
Picene	16.42	9.6	ng	151766	6	15.05	316109	20.0
Dibenzo(a,i)pyrene	18.53	12.1	ng	190631	6	15.05	316109	20.0