LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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	1.690	7	9	17	rVV	867564	1529198	54.82%	2.894%
2	1.827	17	21	24	rVB	1038080	1548779	55.52%	2.931%
3	1.930	29	30	46	rVB	589087	1002442	35.93%	1.897%
4	2.238	54	57	62	rVB	54476	88987	3.19%	0.168%
5	4.673	267	270	280	rBV	103236	205739	7.37%	0.389%
6	5.142	308	311	319	rBV	1217926	1574615	56.44%	2.980%
7	6.227	403	406	413	rBV	1269769	1608878	57.67%	3.045%
8	6.330	413	415	418	rVV	1676095	1733729	62.15%	3.281%
9	6.559	433	435	439	rBV	433645	455566	16.33%	0.862%
10	6.719	446	449	451	rBV	1344390	1614446	57.87%	3.055%
11	7.142	483	486	488	rBV	1030798	1269923	45.52%	2.403%
12	7.850	545	548	553	rBV2	557166	742863	26.63%	1.406%
13	8.559	608	610	613	rVB	95005	85630	3.07%	0.162%
14	8.650	616	618	620	rBV	57680	80379	2.88%	0.152%
15	8.925	639	642	645	rVV	2030546	2077592	74.47%	3.932%
16	9.256	669	671	672	rVV	86023	84256	3.02%	0.159%
17	9.325	675	677	680	rVV	374350	360506	12.92%	0.682%
18	9.451	686	688	691	rBV	450068	421650	15.11%	0.798%
19	9.588	698	700	702	rVV2	632560	674227	24.17%	1.276%
20	9.793	716	718	720	rVV	71728	83480	2.99%	0.158%
21	9.908	726	728	730	rBV2	68358	88337	3.17%	0.167%
22	9.999	734	736	738	rBV2	44050	81355	2.92%	0.154%
23	10.045	738	740	741	rVB2	58491	79245	2.84%	0.150%
24	10.136	746	748	751	rVB2	66916	104894	3.76%	0.199%
25	10.376	767	769	772	rBV2	745527	981369	35.18%	1.857%
26	10.502	777	780	784	rVB2	116416	239531	8.59%	0.453%
27	10.685	793	796	799	rBV4	81412	122560	4.39%	0.232%
28	10.834	805	809	812	rVB2	92364	170914	6.13%	0.323%
29	11.062	827	829	830	rBV	411847	542451	19.44%	1.027%
30	11.096	830	832	834	rVV	502968	700786	25.12%	1.326%
31	11.142	834	836	838	rVV	423085	423943	15.20%	0.802%
32	11.176	838	839	842	rVB2	84931	105101	3.77%	0.199%
33	11.325	848	852	854	rBV3	122874	287191	10.29%	0.544%
34	11.565	871	873	874	rBV	215578	214006	7.67%	0.405%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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	11.599	874	876	878	rVV	255133	286885	10.28%	0.543%
36	11.645	878	880	881	rVV	165623	165377	5.93%	0.313%
37	11.679	881	883	888	rVB	379971	684538	24.54%	1.296%
38	11.782	891	892	895	rVV3	71905	106271	3.81%	0.201%
39	11.862	895	899	901	rVV	176010	238614	8.55%	0.452%
40	11.897	901	902	904	rVB2	79552	95550	3.43%	0.181%
41	12.011	909	912	913	rBV2	114924	149822	5.37%	0.284%
42	12.045	913	915	919	rVB	146981	251802	9.03%	0.477%
43	12.114	919	921	923	rBV	399064	493596	17.69%	0.934%
44	12.148	923	924	927	rVV2	192709	340358	12.20%	0.644%
45	12.205	927	929	933	rVB	233685	356017	12.76%	0.674%
46	12.285	933	936	938	rBV	2166975	2707907	97.07%	5.125%
47	12.342	938	941	942	rVV3	79412	163597	5.86%	0.310%
48	12.377	942	944	946	rVB	91909	126594	4.54%	0.240%
49	12.422	946	948	950	rBV2	124499	162026	5.81%	0.307%
50	12.502	952	955	958	rVV2	1589130	2789716	100.00%	5.280%
51	12.559	959	960	962	rVB	196832	206991	7.42%	0.392%
52	12.651	962	968	972	rBV2	1318404	1740947	62.41%	3.295%
53	12.719	972	974	978	rBV3	329060	565743	20.28%	1.071%
54	12.834	978	984	986	rVB2	429868	861983	30.90%	1.631%
55	12.891	986	989	991	rBV2	191185	312920	11.22%	0.592%
56	12.937	991	993	997	rVV	423308	552853	19.82%	1.046%
57	13.028	999	1001	1002	rVB	234747	258830	9.28%	0.490%
58	13.051	1002	1003	1005	rBV	196291	251002	9.00%	0.475%
59	13.142	1008	1011	1013	rVB4	63085	130676	4.68%	0.247%
60	13.211	1013	1017	1018	rBV3	81950	187813	6.73%	0.355%
61	13.234	1018	1019	1024	rVB3	118544	202835	7.27%	0.384%
62	13.348	1024	1029	1032	rBV	378702	565034	20.25%	1.069%
63	13.394	1032	1033	1035	rBV2	77396	79834	2.86%	0.151%
64	13.451	1035	1038	1041	rBV2	317853	755458	27.08%	1.430%
65	13.554	1045	1047	1051	rVB2	315163	470199	16.85%	0.890%
66	13.691	1056	1059	1061	rBV2	1335088	2410394	86.40%	4.562%
67	13.725	1061	1062	1066	rVB	1112680	1267369	45.43%	2.399%
68	13.805	1066	1069	1070	rVB3	110598	183371	6.57%	0.347%
69	13.851	1072	1073	1077	rBV3	121440	245819	8.81%	0.465%
70	14.080	1089	1093	1095	rBV	325846	700547	25.11%	1.326%
71	14.114	1095	1096	1098	rVV	215473	281562	10.09%	0.533%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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	14.160	1098	1100	1103	rVV4	143086	404405	14.50%	0.765%
73	14.205	1103	1104	1108	rVV2	259280	424138	15.20%	0.803%
74	14.274	1109	1110	1113	rVB2	104191	133821	4.80%	0.253%
75	14.411	1117	1122	1125	rBV2	149860	381222	13.67%	0.721%
76	14.491	1125	1129	1131	rVB2	81861	216523	7.76%	0.410%
77	14.560	1131	1135	1137	rBV	247741	356624	12.78%	0.675%
78	14.605	1137	1139	1141	rVV3	72712	89823	3.22%	0.170%
79	14.697	1144	1147	1153	rBV	1147840	2509909	89.97%	4.750%
80	14.788	1153	1155	1160	rVB	316296	386733	13.86%	0.732%
81	14.868	1160	1162	1164	rBV3	64030	140392	5.03%	0.266%
82	14.948	1167	1169	1172	rVV	656471	771455	27.65%	1.460%
83	15.005	1172	1174	1177	rVV	842038	1016120	36.42%	1.923%
84	15.051	1177	1178	1179	rVV	254597	284639	10.20%	0.539%
85	15.085	1179	1181	1184	rVB2	223376	345258	12.38%	0.653%
86	15.200	1189	1191	1193	rBV	53885	82953	2.97%	0.157%
87	15.428	1208	1211	1212	rBV	47373	85409	3.06%	0.162%
88	15.520	1218	1219	1224	rVB2	66761	108436	3.89%	0.205%
89	15.977	1257	1259	1261	rVV2	54516	103619	3.71%	0.196%
90	16.023	1261	1263	1267	rVV2	48717	106627	3.82%	0.202%
91	16.125	1269	1272	1273	rVV2	57381	111671	4.00%	0.211%
92	16.194	1277	1278	1283	rVB3	39579	94153	3.38%	0.178%
93	16.286	1283	1286	1290	rBV	354186	706798	25.34%	1.338%
94	16.434	1295	1299	1301	rBV	65480	151082	5.42%	0.286%
95	16.480	1301	1303	1306	rVB2	54336	96210	3.45%	0.182%
96	16.651	1316	1318	1327	rVB	205199	504112	18.07%	0.954%
97	16.868	1334	1337	1343	rVB2	51882	131746	4.72%	0.249%
98	18.537	1478	1483	1488	rBV	46315	176670	6.33%	0.334%
99	18.709	1494	1498	1501	rBV	30236	95748	3.43%	0.181%
100	19.497	1562	1567	1571	rBV2	20488	86804	3.11%	0.164%

Sum of corrected areas: 52838518

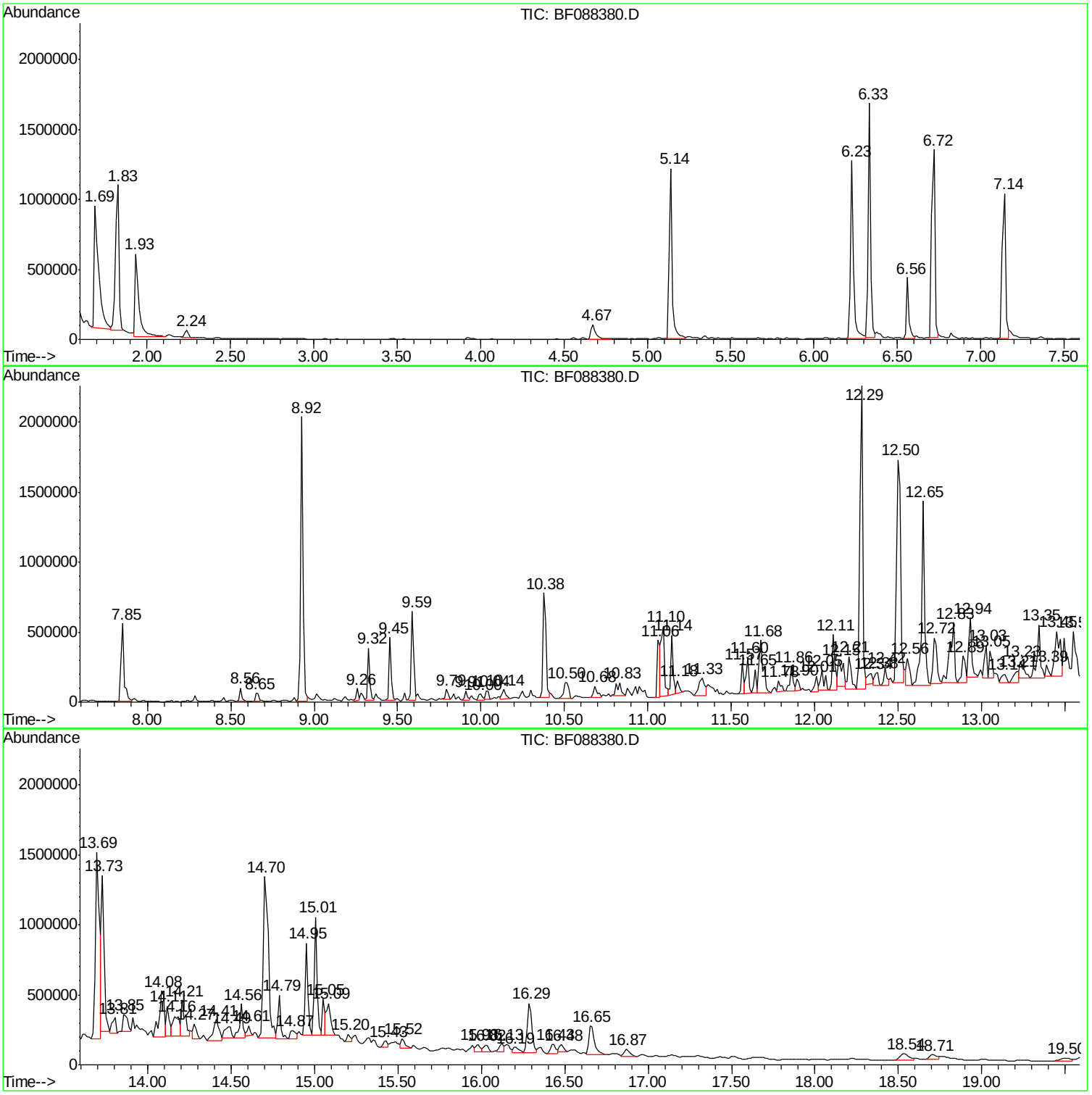
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(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 : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

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

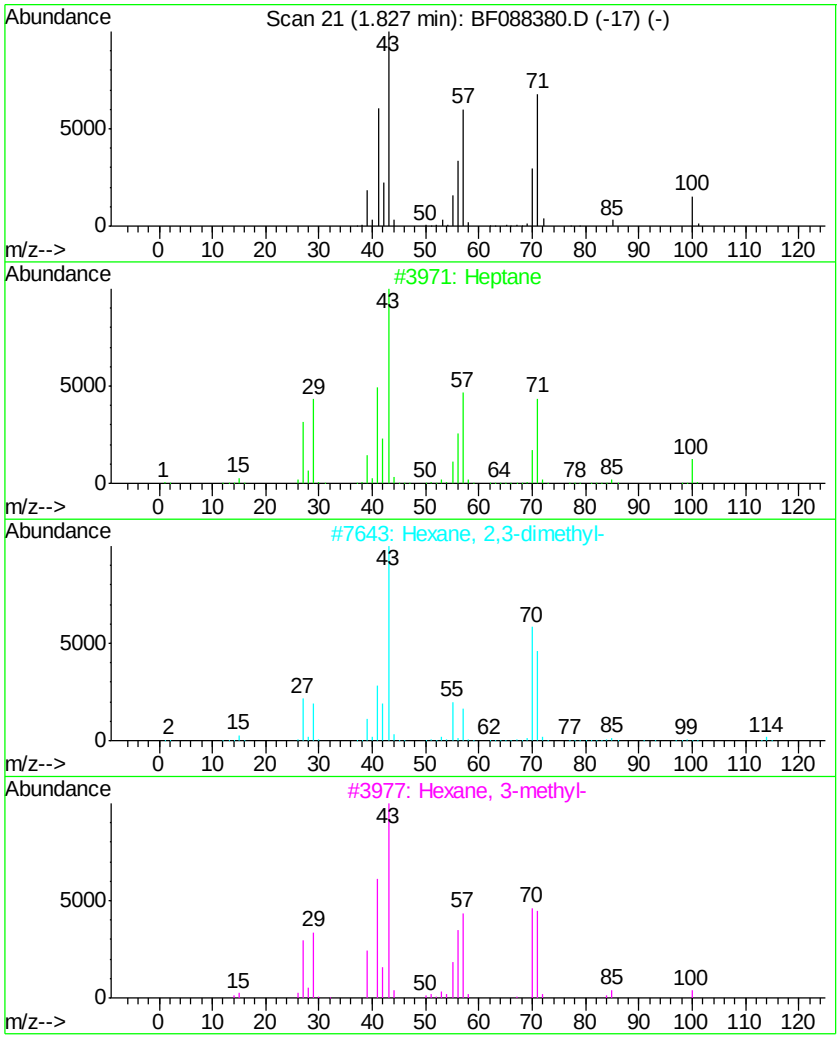
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

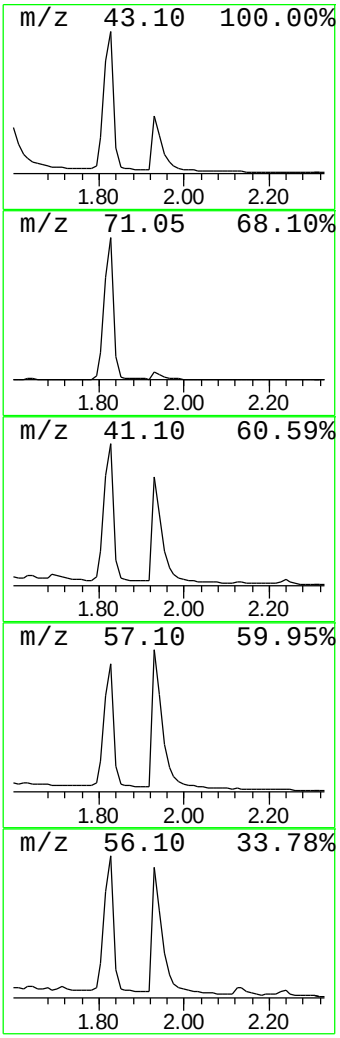
****

Peak Number 2 Heptane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.83	67.99 ng	1548780	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	40
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38
5	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

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

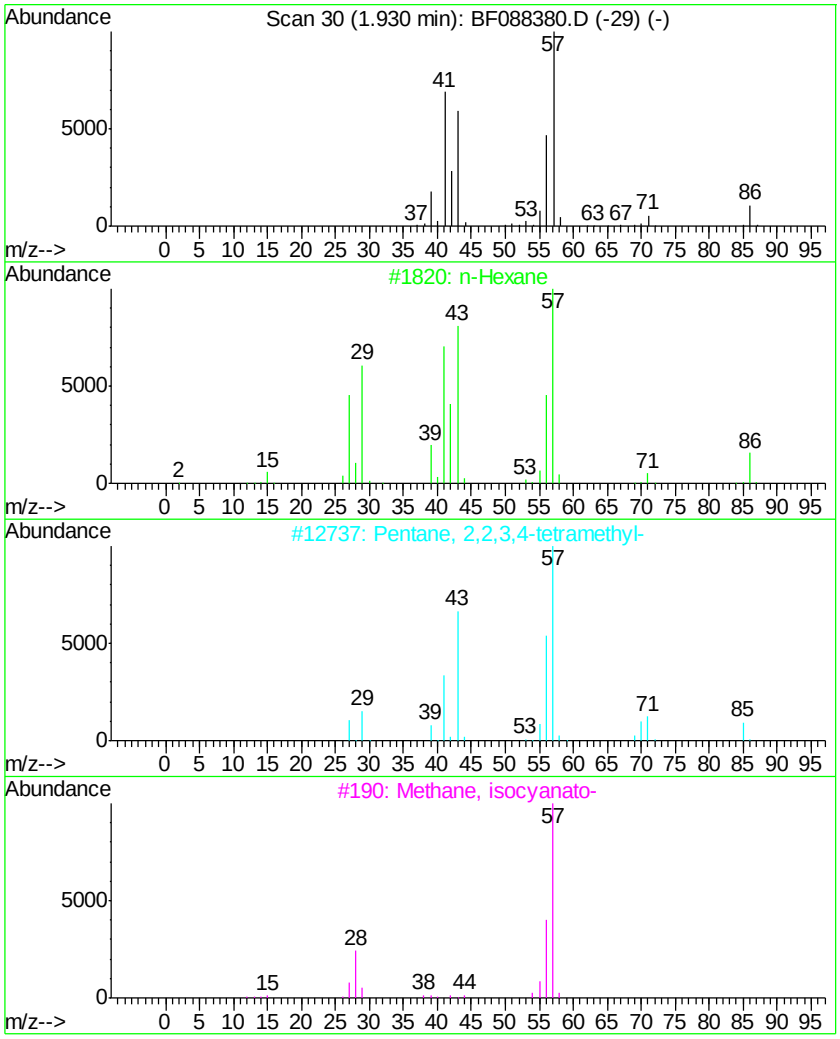
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

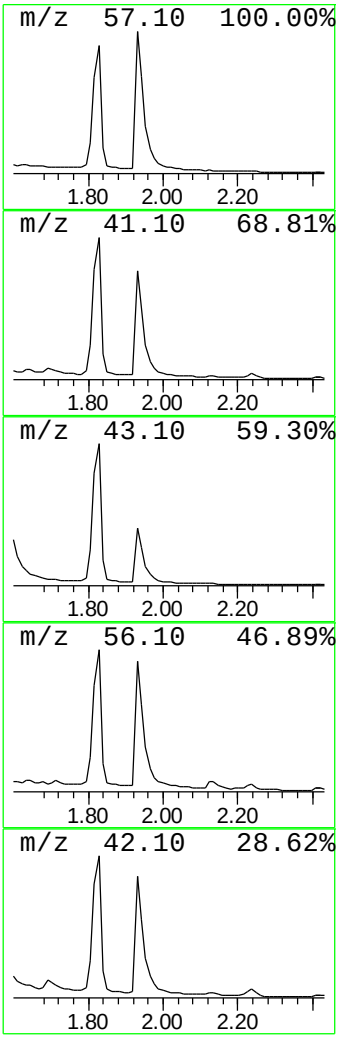
****

Peak Number 3 n-Hexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.93	44.01 ng	1002440	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
3	Methane, isocyanato-	57	C2H3NO	000624-83-9	37
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	35
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

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

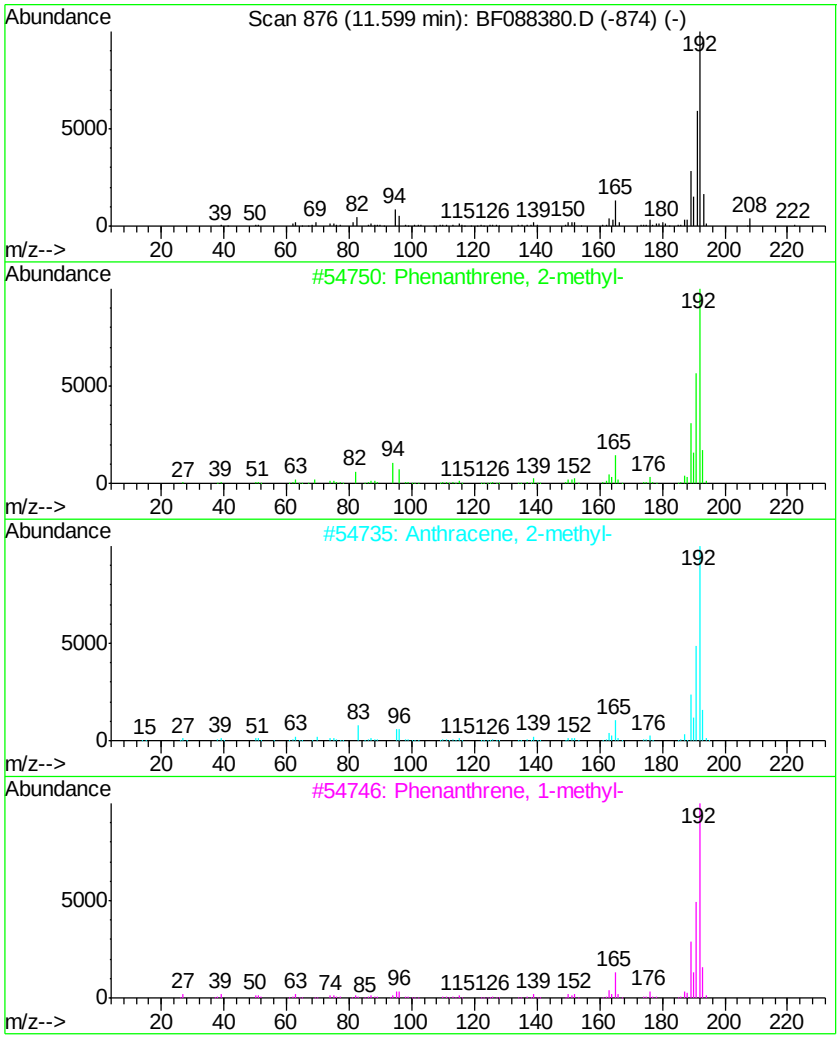
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

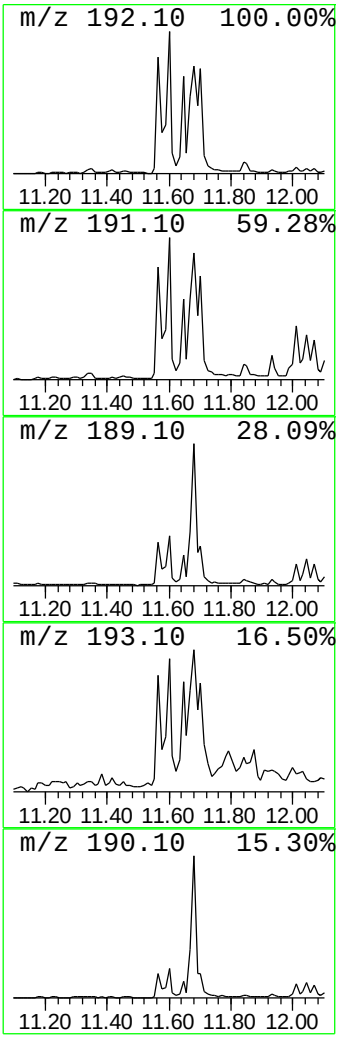
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	10.58 ng	286885	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

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

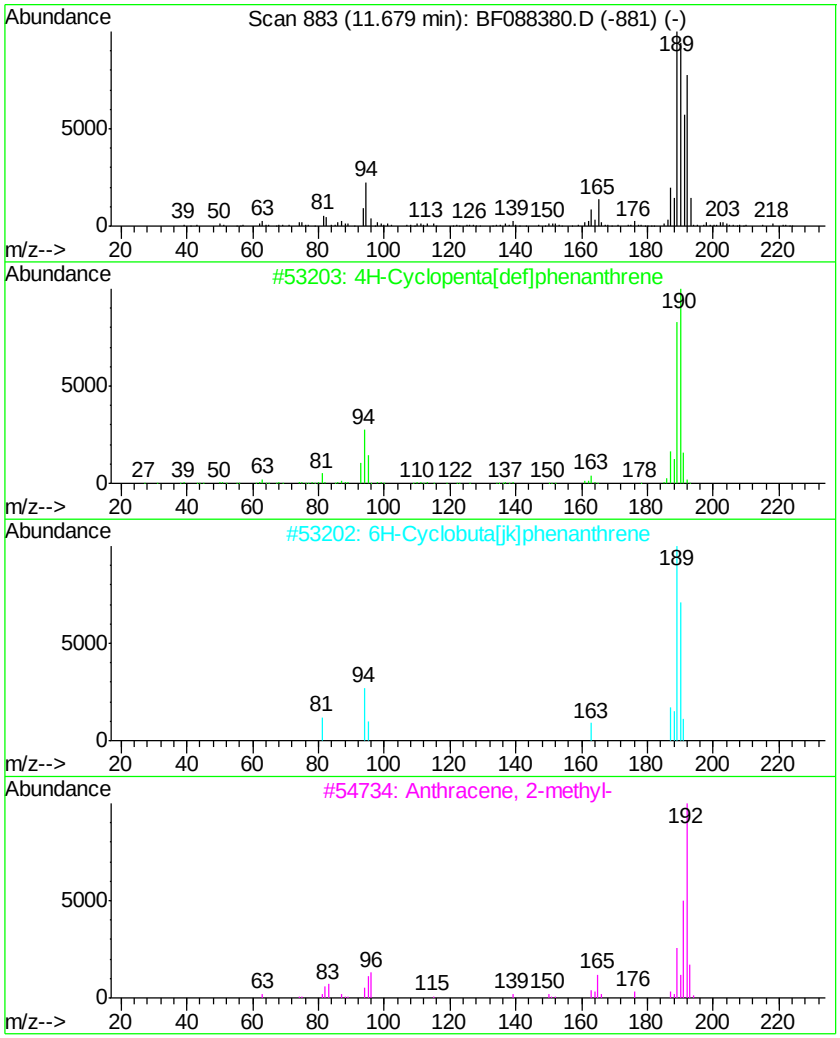
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

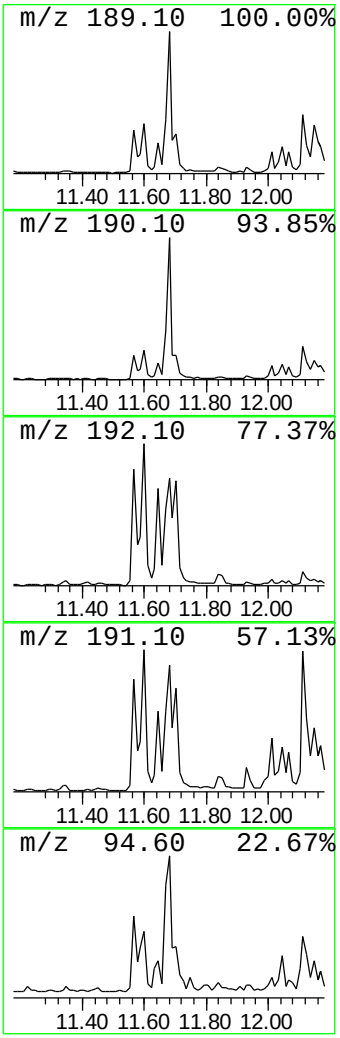
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	25.24 ng	684538	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

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

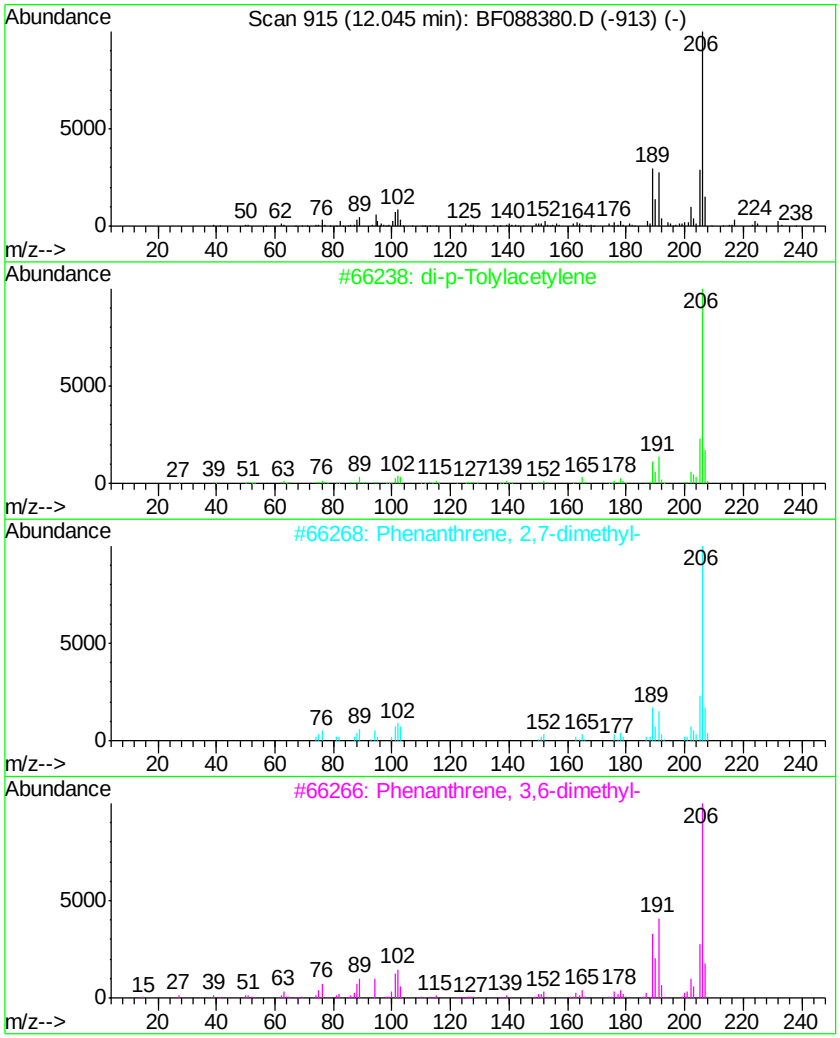
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

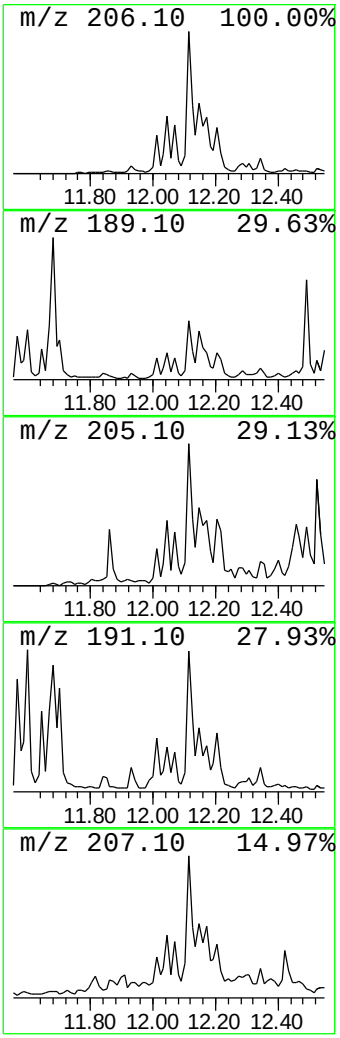
****

Peak Number 8 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	9.28 ng	251802	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

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

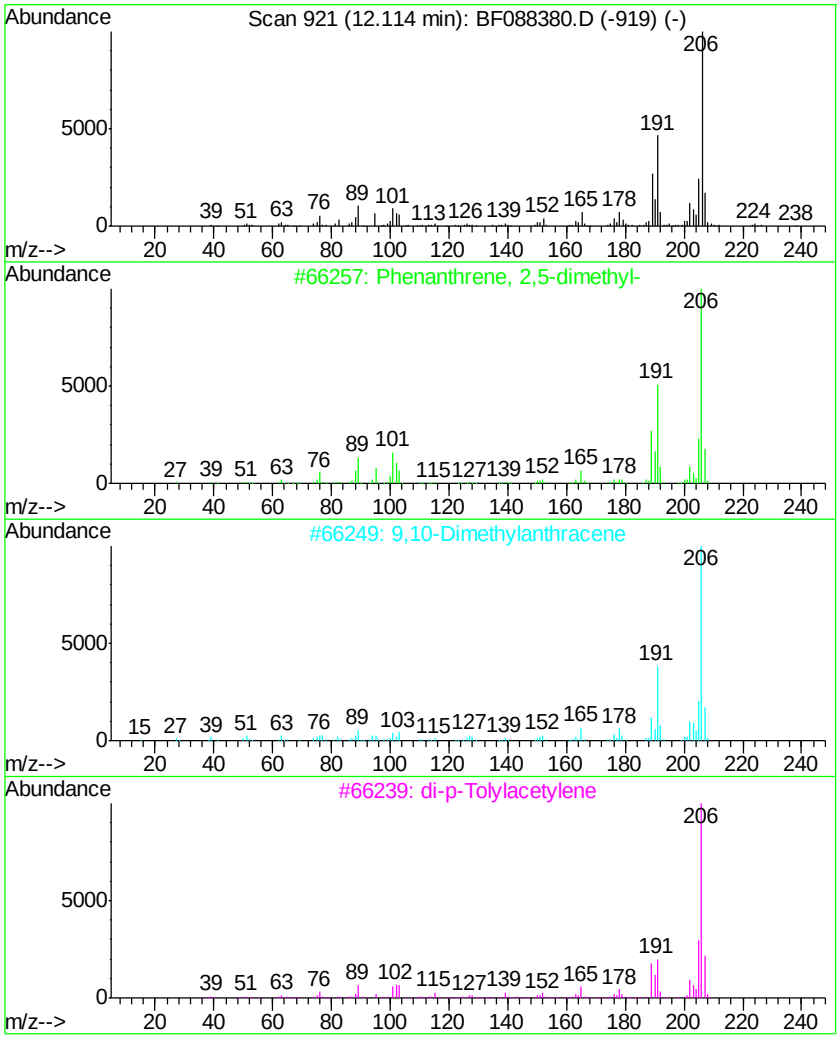
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

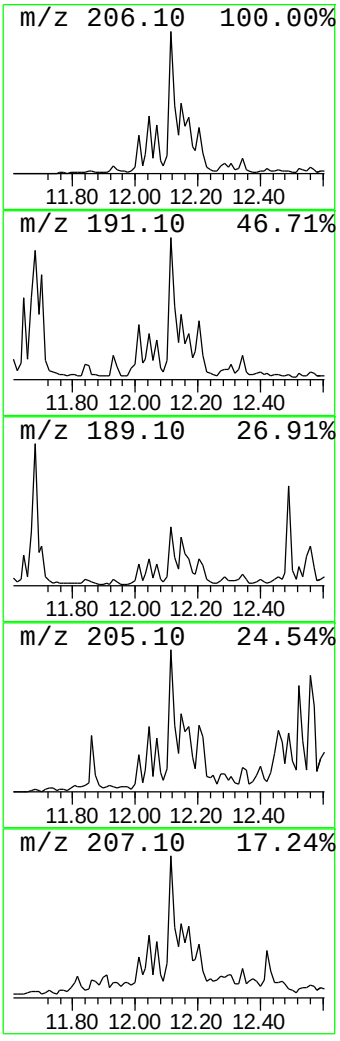
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	18.20 ng	493596	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	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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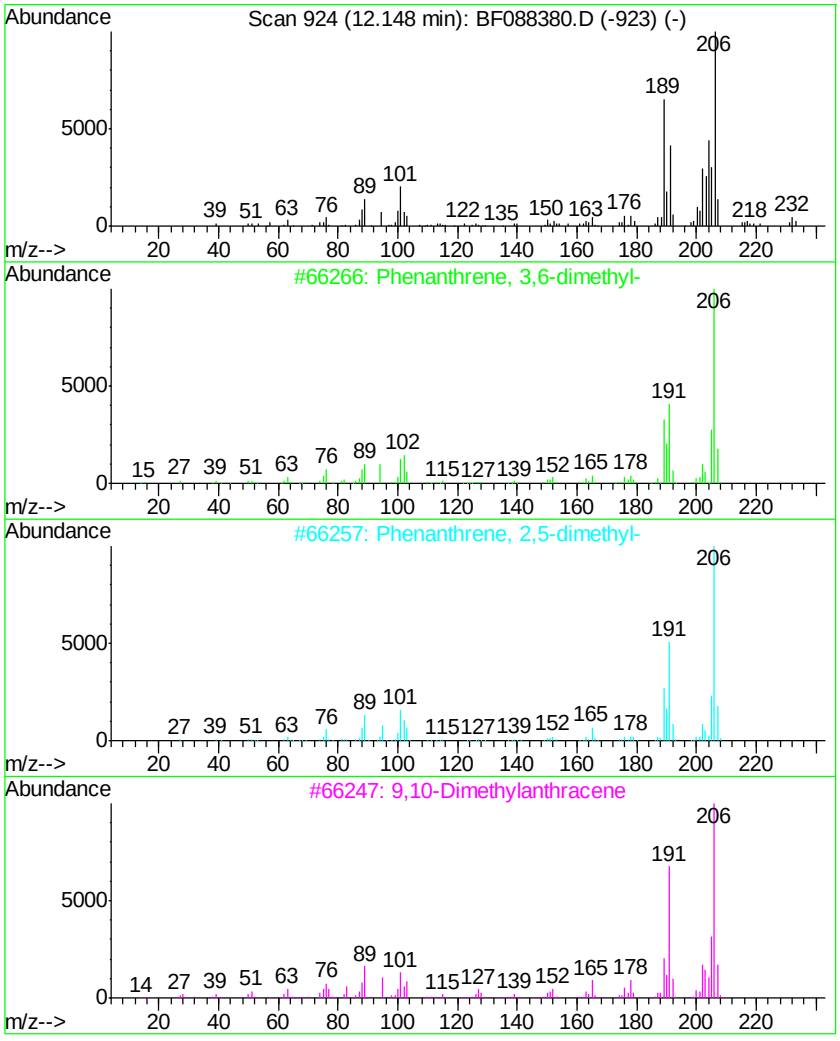
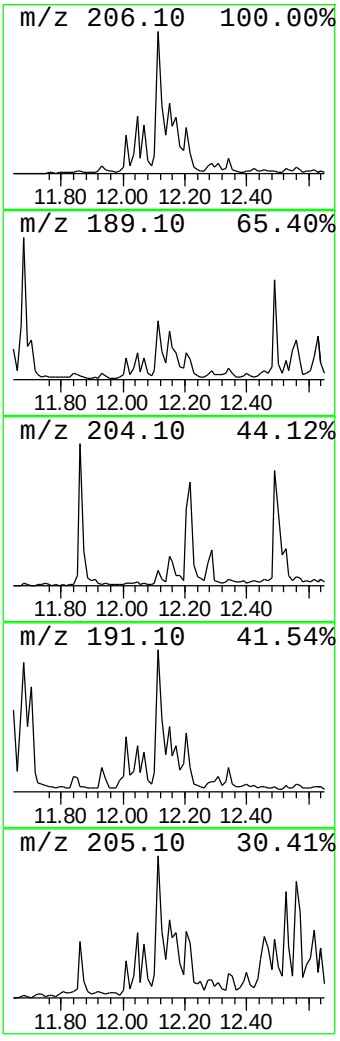
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	12.55 ng	340358	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	49





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Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

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

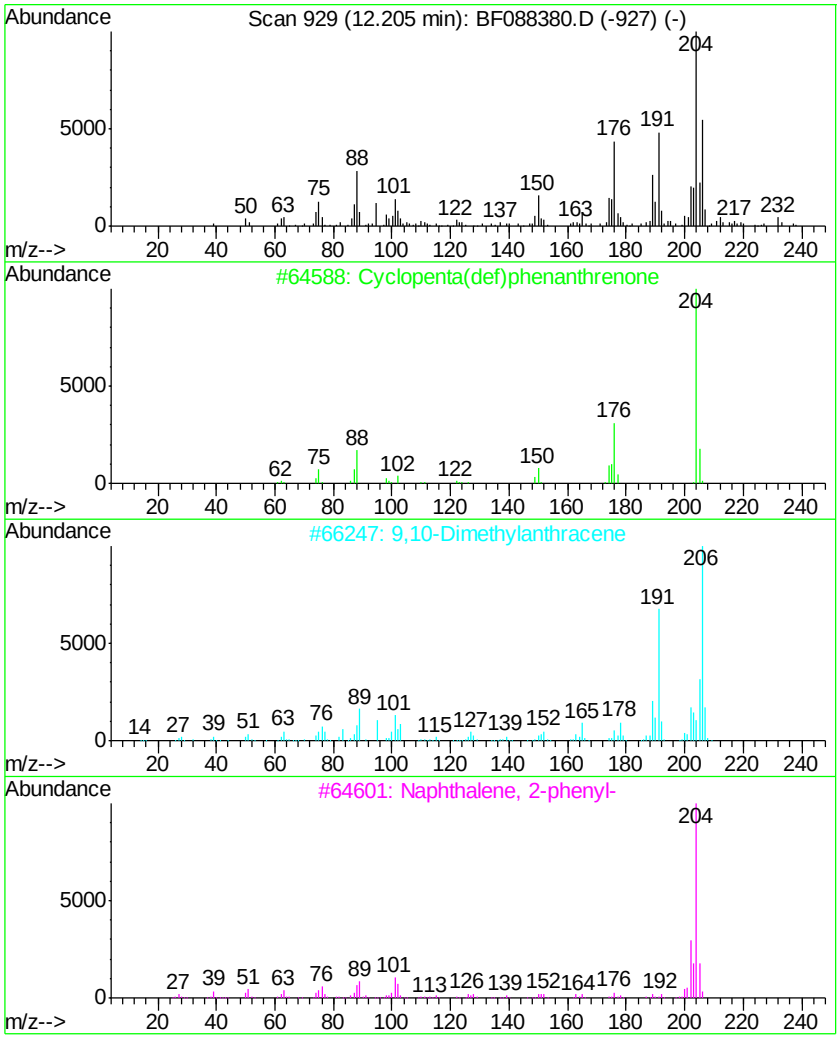
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

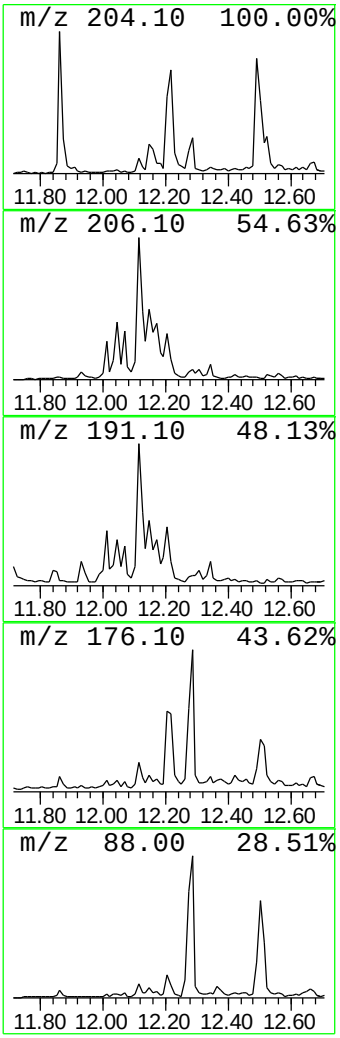
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	13.13 ng	356017	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	38
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38





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Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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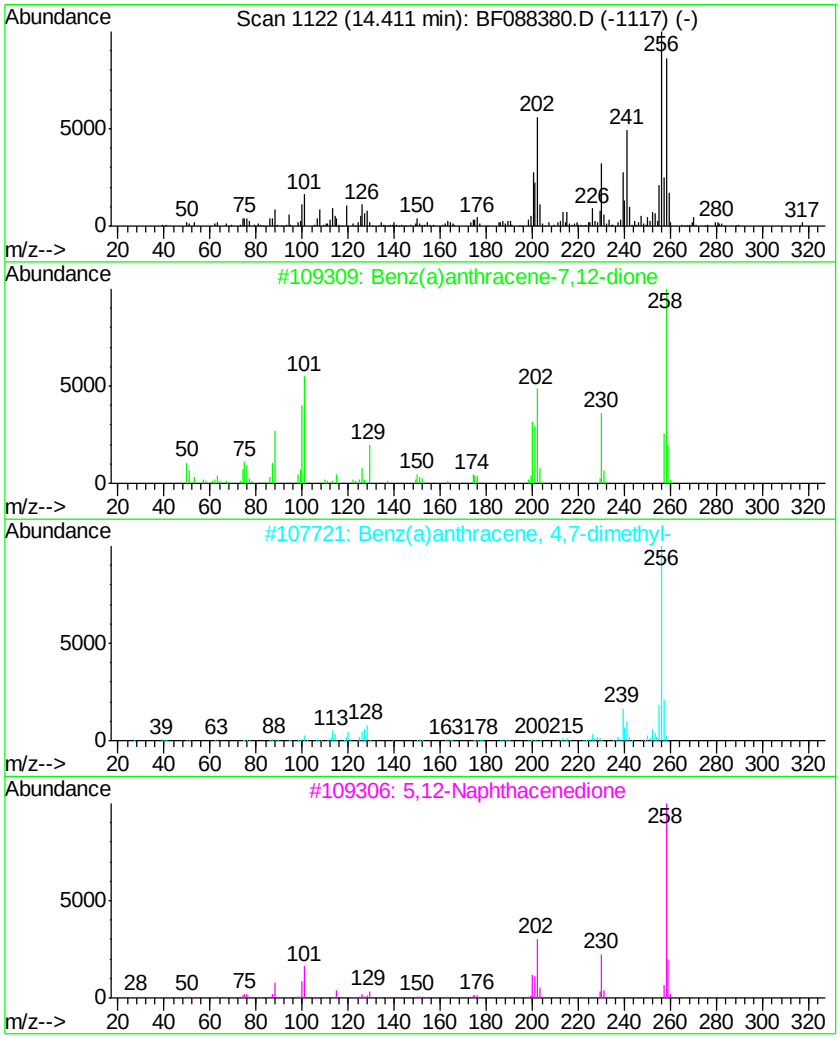
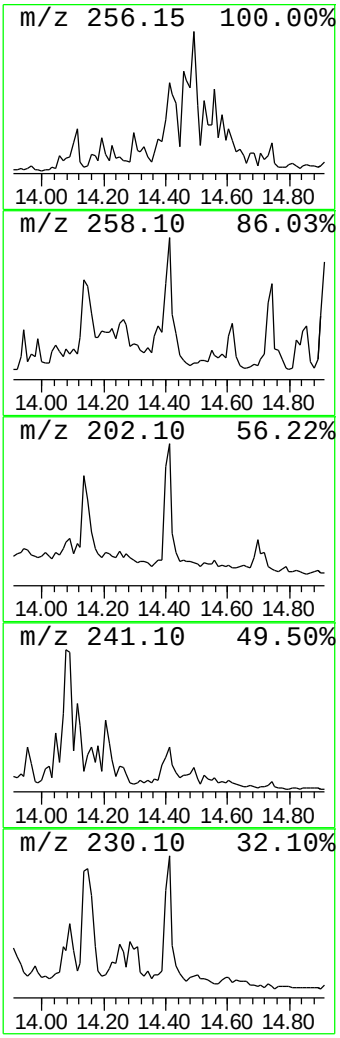
Peak Number 12 Benz(a)anthracene-7,12-dione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	26.79 ng	381222	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	87
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	86
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	84
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	81
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	64





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Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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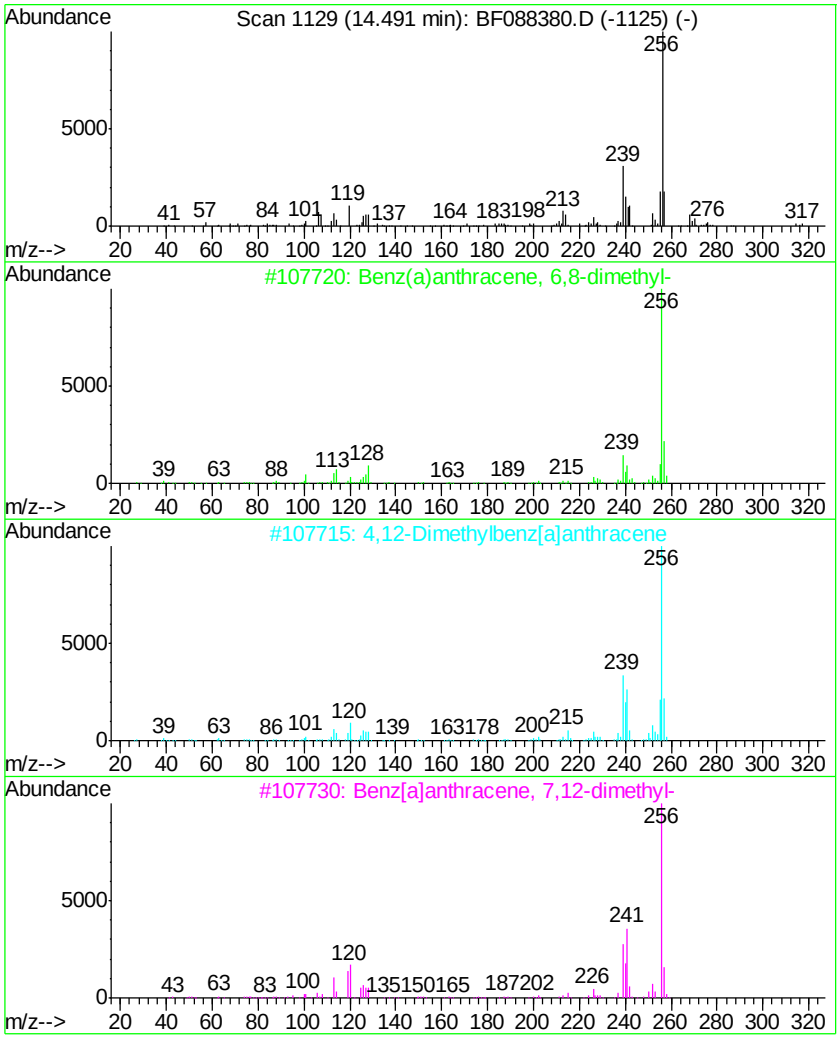
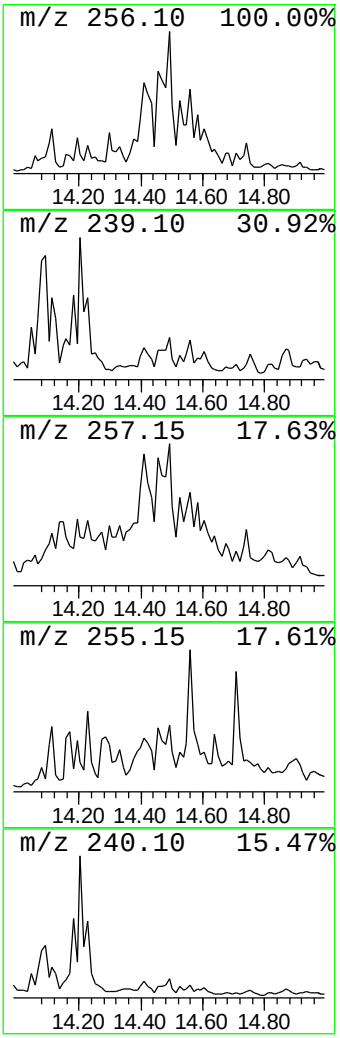
Peak Number 13 Benz(a)anthracene, 6,8-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	15.21 ng	216523	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	90
2	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	90
3	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	89
4	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	89
5	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	68





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Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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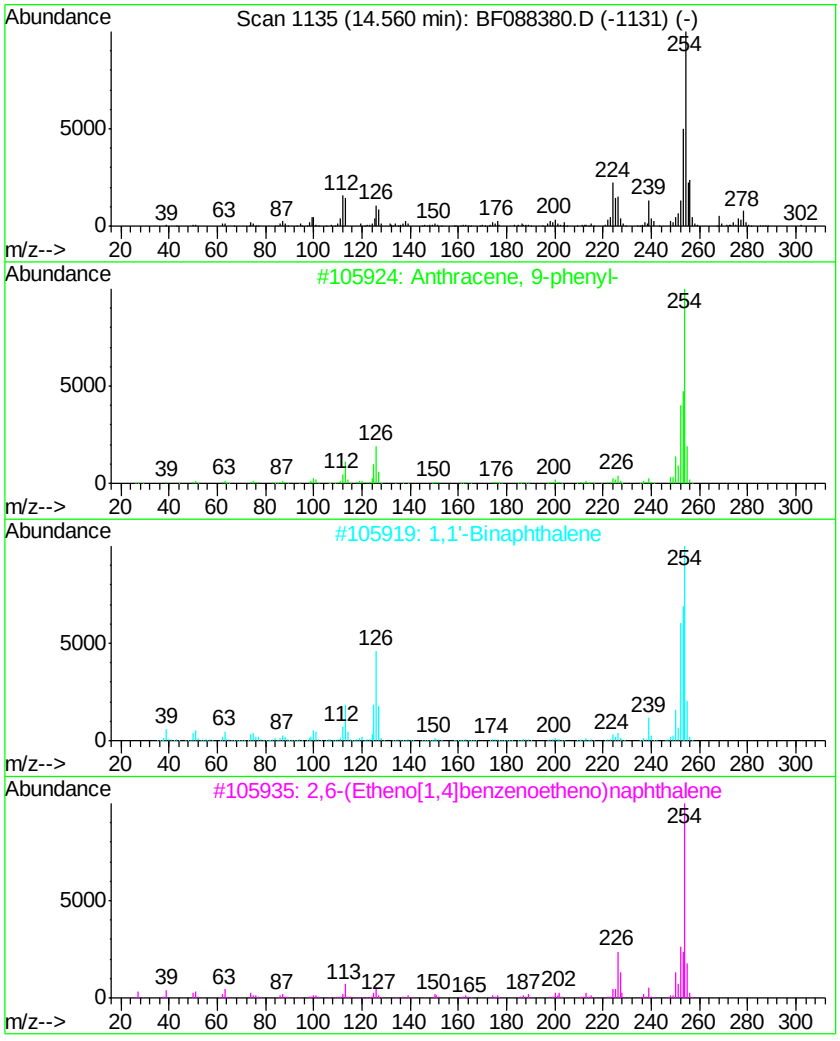
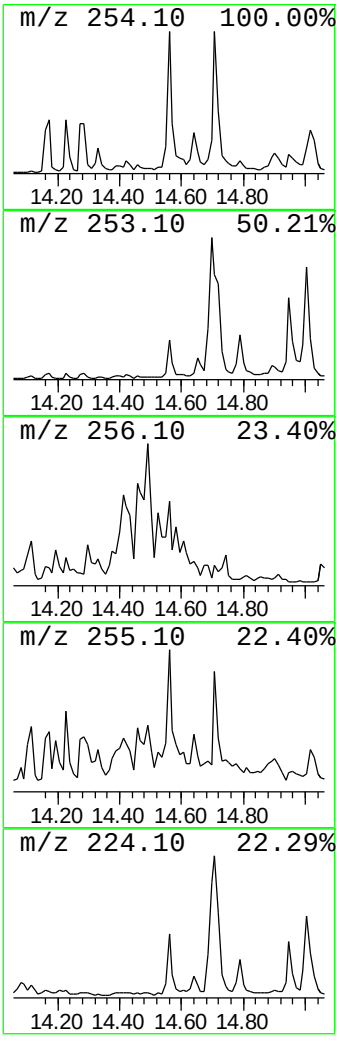
Peak Number 14 Anthracene, 9-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	25.06 ng	356624	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
3	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	49
4	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	49
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	43





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Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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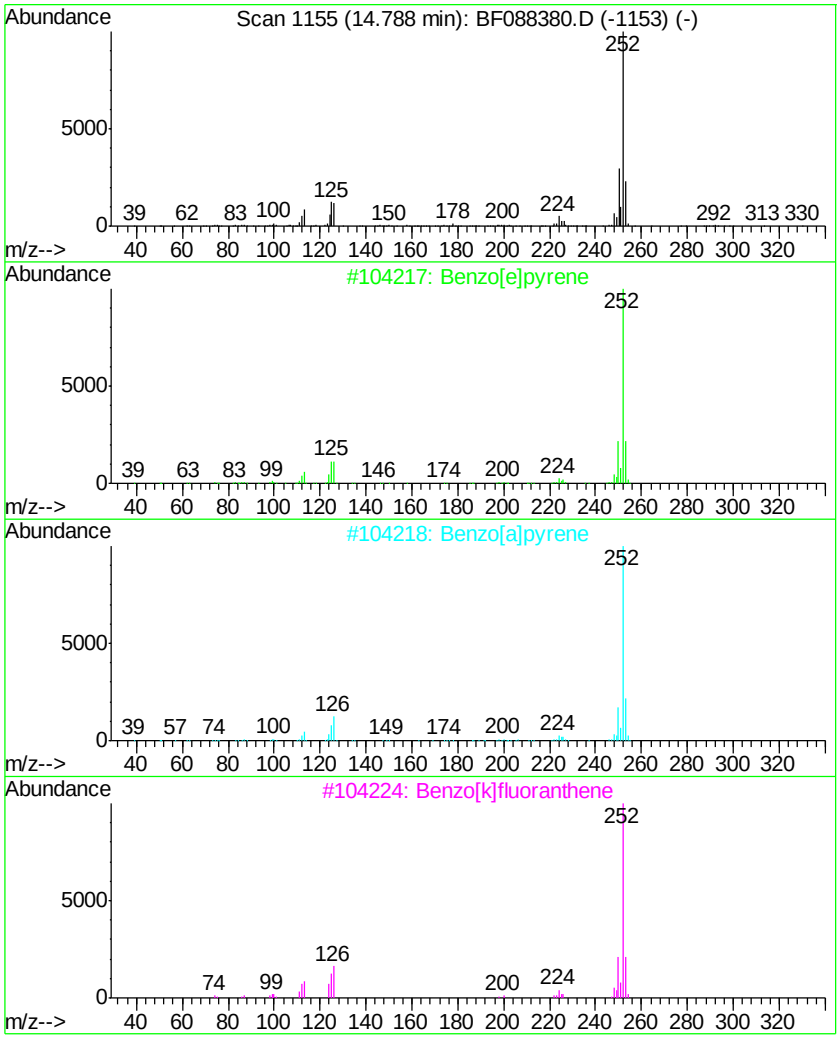
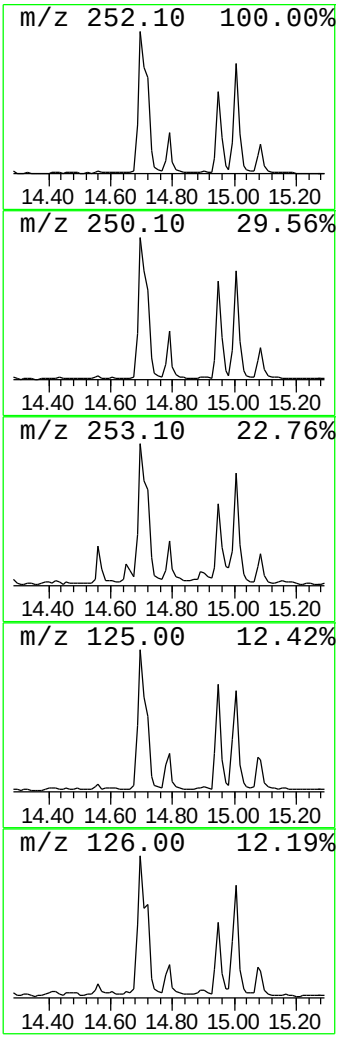
Peak Number 15 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	27.17 ng	386733	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	87





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Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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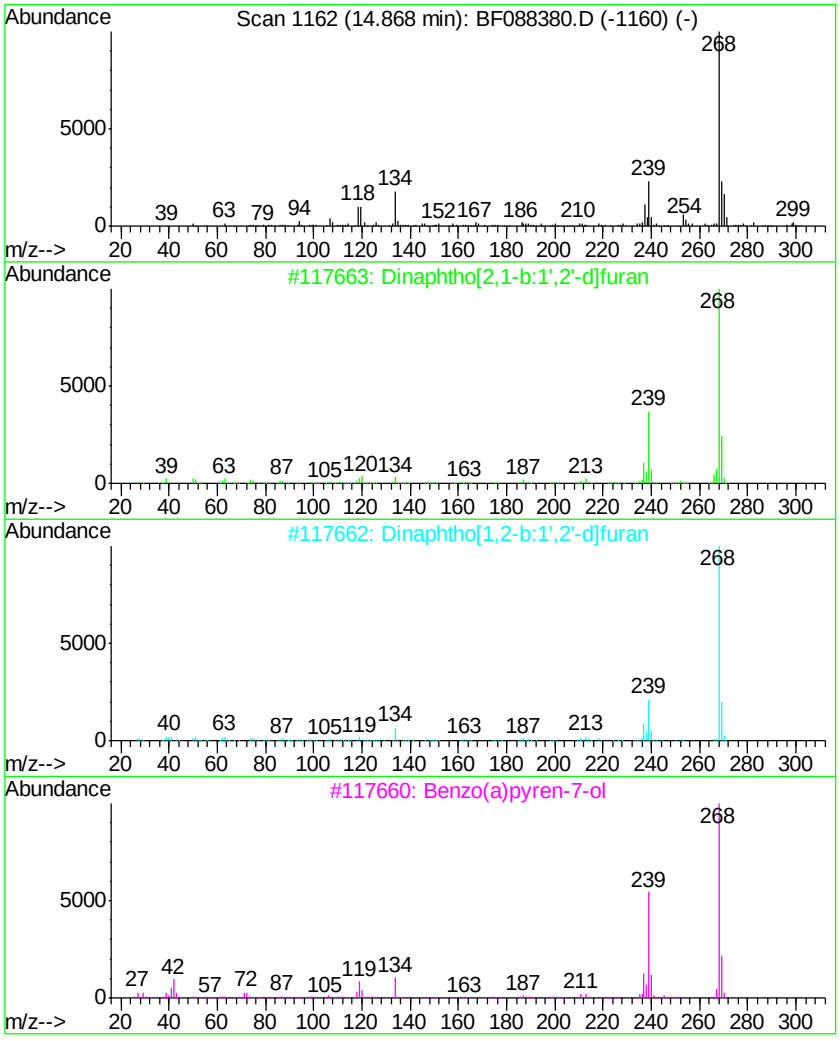
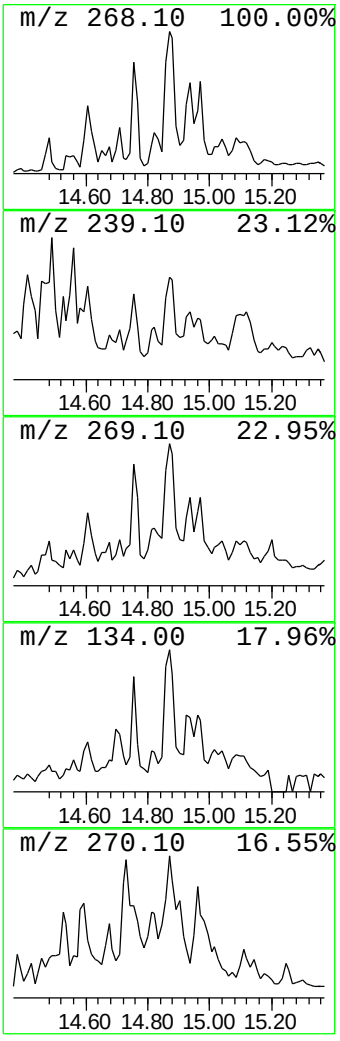
Peak Number 16 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	9.86 ng	140392	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	59
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	53





Library Search Compound Report

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Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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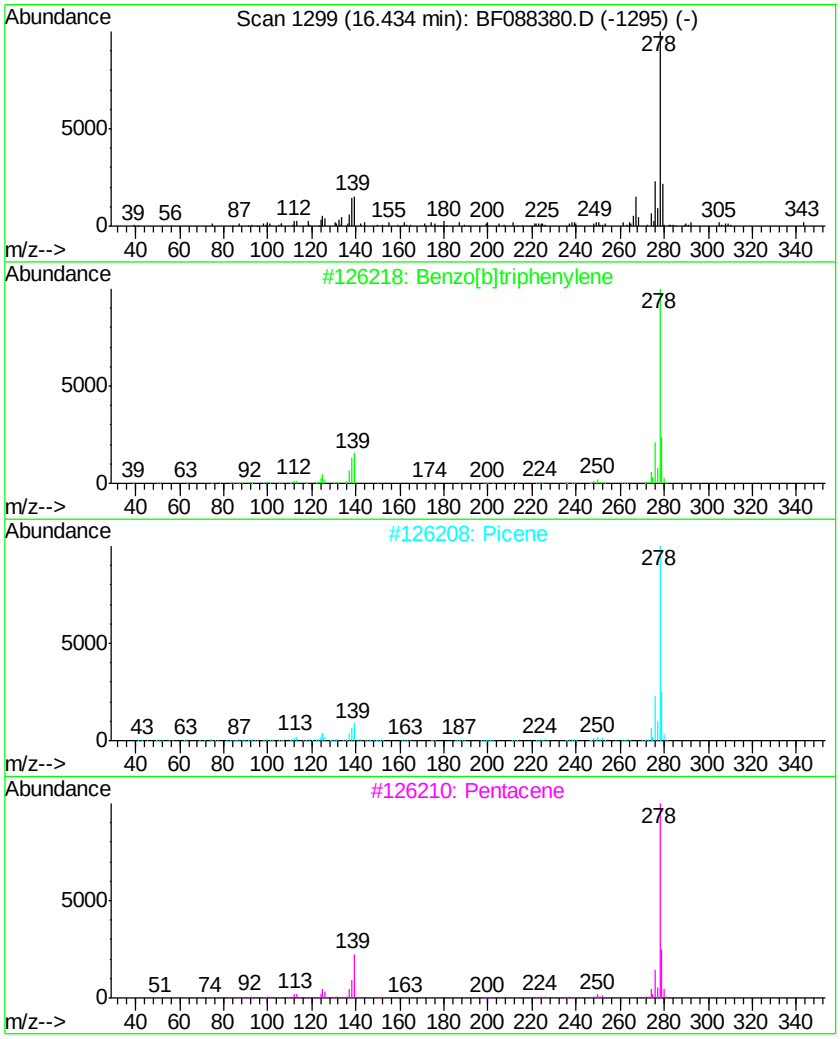
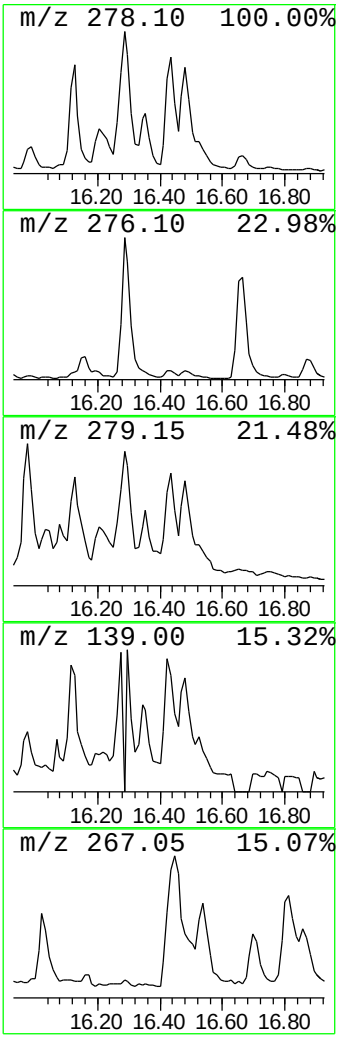
Peak Number 18 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	10.62 ng	151082	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Picene	278	C22H14	000213-46-7	96
3	Pentacene	278	C22H14	000135-48-8	95
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	70





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Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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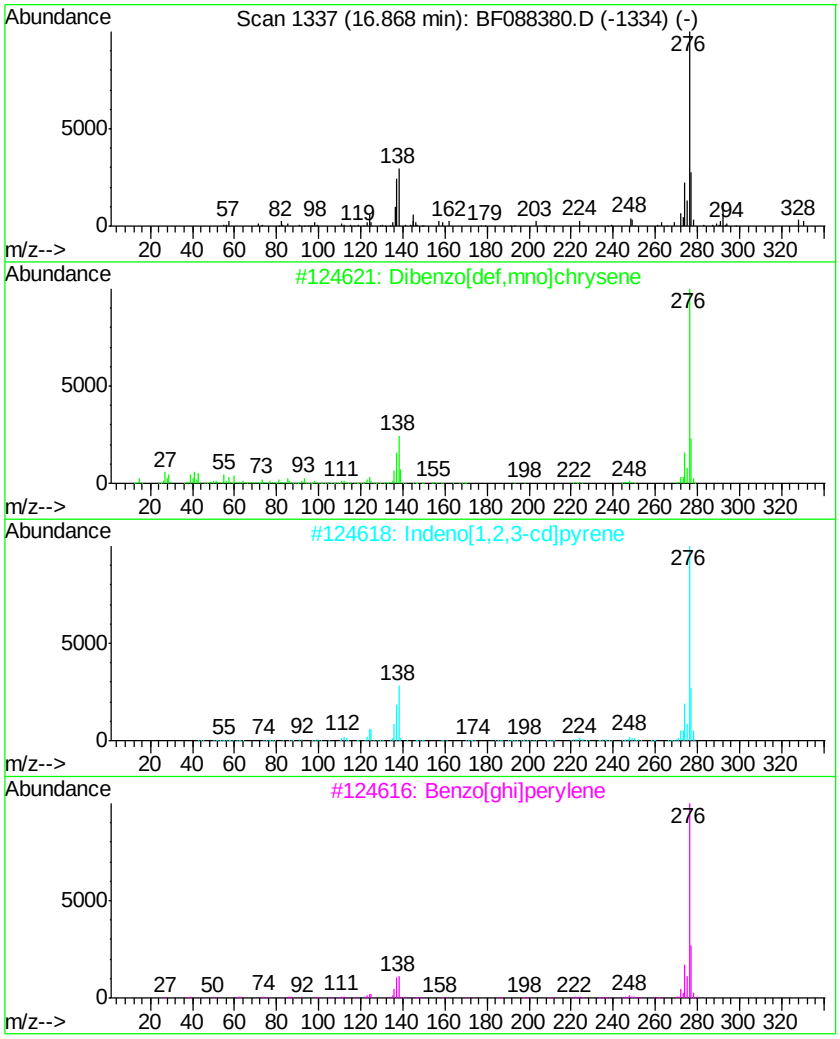
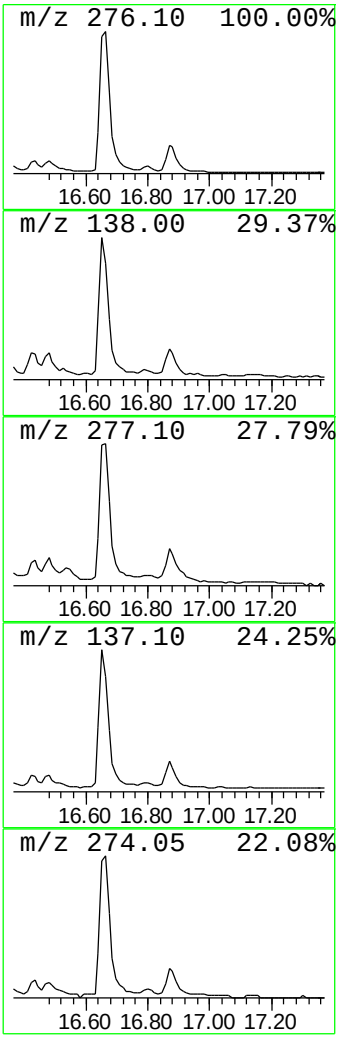
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	9.26 ng	131746	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
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	90
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	43





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Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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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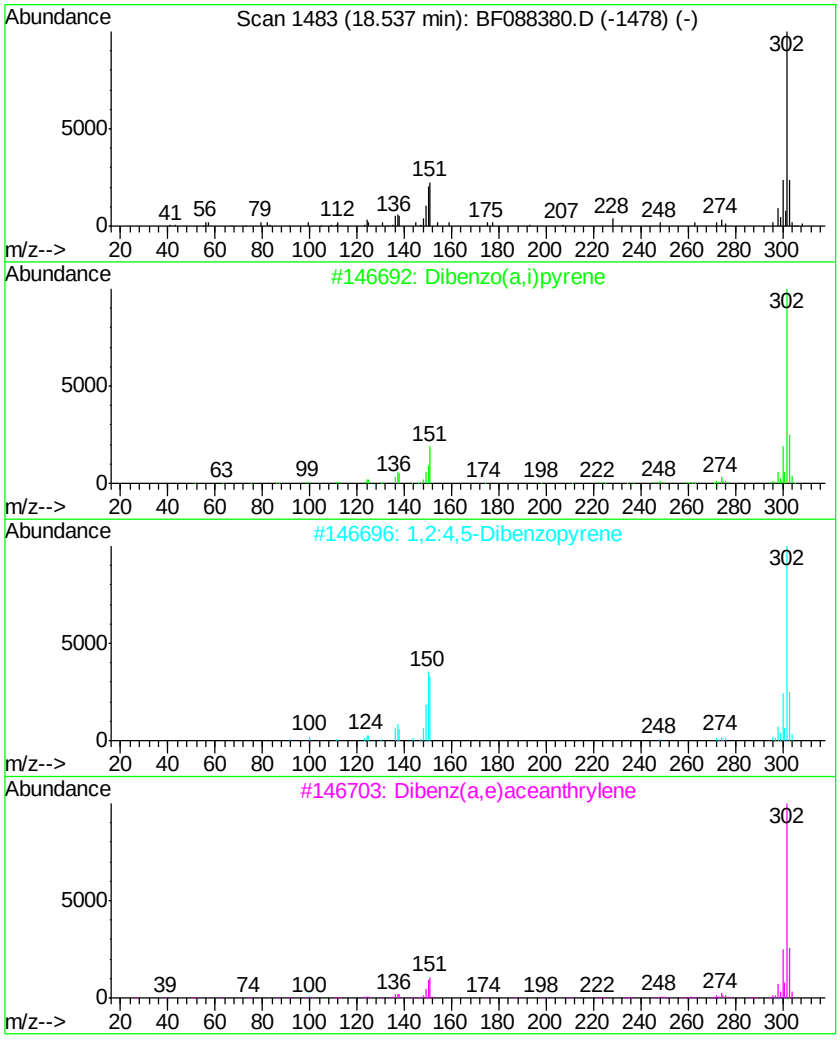
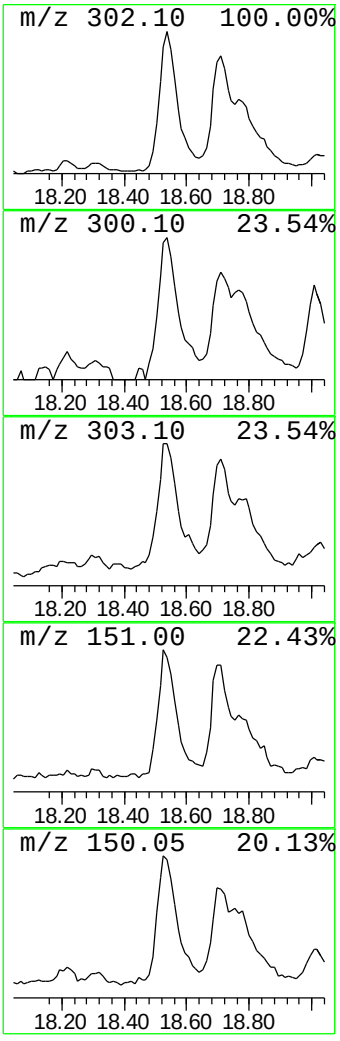
Peak Number 20 Dibenzo(a,i)pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	12.41 ng	176670	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	74
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	74





Tentatively Identified Compound (LSC) summary

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Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(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
Heptane	1.83	68.0	ng	1548780	1	6.56	455566	20.0
n-Hexane	1.93	44.0	ng	1002440	1	6.56	455566	20.0
Phenanthrene, 2-m...	11.60	10.6	ng	286885	4	11.06	542451	20.0
4H-Cyclopenta[def...	11.68	25.2	ng	684538	4	11.06	542451	20.0
di-p-Tolylacetylene	12.05	9.3	ng	251802	4	11.06	542451	20.0
Phenanthrene, 2,5...	12.11	18.2	ng	493596	4	11.06	542451	20.0
Phenanthrene, 3,6...	12.15	12.6	ng	340358	4	11.06	542451	20.0
Cyclopenta(def)ph...	12.21	13.1	ng	356017	4	11.06	542451	20.0
Benz(a)anthracene...	14.41	26.8	ng	381222	6	15.05	284639	20.0
Benz(a)anthracene...	14.49	15.2	ng	216523	6	15.05	284639	20.0
Anthracene, 9-phe...	14.56	25.1	ng	356624	6	15.05	284639	20.0
Benzo[e]pyrene	14.79	27.2	ng	386733	6	15.05	284639	20.0
Dinaphtho[2,1-b:1...	14.87	9.9	ng	140392	6	15.05	284639	20.0
Benzo[b]triphenylene	16.43	10.6	ng	151082	6	15.05	284639	20.0
Dibenzo[def,mno]c...	16.87	9.3	ng	131746	6	15.05	284639	20.0
Dibenzo(a,i)pyrene	18.54	12.4	ng	176670	6	15.05	284639	20.0