LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

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-BF050416.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	4.887	242	245	252	rBV	310294	477699	10.11%	0.622%
2	5.321	280	283	285	rBV	3403712	4492871	95.04%	5.846%
3	5.721	316	318	324	rVB	42363	57842	1.22%	0.075%
4	6.373	372	375	377	rBV	4034927	4300640	90.98%	5.596%
5	6.499	383	386	388	rBV	4102105	4727212	100.00%	6.151%
6	6.727	403	406	408	rBV	1179755	1140245	24.12%	1.484%
7	6.887	417	420	422	rBV	2494424	3327425	70.39%	4.329%
8	6.990	427	429	435	rVB3	25186	63391	1.34%	0.082%
9	7.299	453	456	458	rBV	2670701	3101363	65.61%	4.035%
10	8.007	516	518	521	rBV	1097911	1436759	30.39%	1.869%
11	9.093	610	613	615	rBV	4966804	4415131	93.40%	5.745%
12	9.482	646	647	650	rBV	334453	408887	8.65%	0.532%
13	9.619	657	659	662	rBV	309847	348786	7.38%	0.454%
14	9.710	665	667	669	rBV	139854	134334	2.84%	0.175%
15	9.768	669	672	674	rBV	1382012	1583664	33.50%	2.061%
16	9.939	683	687	688	rBV2	29987	51264	1.08%	0.067%
17	9.962	688	689	691	rVV	41315	51378	1.09%	0.067%
18	10.202	708	710	712	rBV2	192024	195614	4.14%	0.255%
19	10.305	718	719	723	rVB	57181	77173	1.63%	0.100%
20	10.419	726	729	732	rBV	77265	133868	2.83%	0.174%
21	10.556	738	741	743	rBV2	1931257	2739057	57.94%	3.564%
22	10.671	749	751	755	rVB	162748	259541	5.49%	0.338%
23	10.876	765	769	773	rBV5	41941	141003	2.98%	0.183%
24	11.002	776	780	783	rBV3	59723	111317	2.35%	0.145%
25	11.048	783	784	786	rVB2	53391	57237	1.21%	0.074%
26	11.093	786	788	789	rBV	45347	51380	1.09%	0.067%
27	11.128	789	791	796	rVB2	79901	179035	3.79%	0.233%
28	11.265	799	803	805	rBV2	1403779	2523078	53.37%	3.283%
29	11.322	805	808	809	rVV	279408	391101	8.27%	0.509%
30	11.356	809	811	814	rVB	49571	68670	1.45%	0.089%
31	11.482	819	822	825	rBV3	136446	249396	5.28%	0.324%
32	11.539	825	827	829	rVB2	127165	112828	2.39%	0.147%
33	11.573	829	830	833	rVB2	72876	72336	1.53%	0.094%
34	11.653	833	837	839	rVB3	29818	63370	1.34%	0.082%

LSC Area Percent Report

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Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

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-BF050416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.745	842	845	846	rBV	424203	390144	8.25%	0.508%
36	11.779	846	848	850	rVV2	326206	634765	13.43%	0.826%
37	11.813	850	851	853	rVB	113513	127771	2.70%	0.166%
38	11.848	853	854	859	rVB	546338	1085965	22.97%	1.413%
39	11.951	859	863	867	rBV5	60965	193968	4.10%	0.252%
40	12.042	867	871	872	rBV	358514	420068	8.89%	0.547%
41	12.111	876	877	881	rVB3	47296	67369	1.43%	0.088%
42	12.191	881	884	885	rBV2	146529	202881	4.29%	0.264%
43	12.214	885	886	890	rVB	100111	206923	4.38%	0.269%
44	12.294	890	893	895	rBV	390261	521252	11.03%	0.678%
45	12.328	895	896	899	rVB3	206076	297134	6.29%	0.387%
46	12.374	899	900	905	rVB2	266370	390141	8.25%	0.508%
47	12.454	905	907	910	rBV	3138717	3498295	74.00%	4.552%
48	12.499	910	911	914	rBV3	65929	131154	2.77%	0.171%
49	12.545	914	915	916	rVV	188496	136432	2.89%	0.178%
50	12.602	916	920	922	rVB3	116607	223545	4.73%	0.291%
51	12.682	924	927	930	rBV	3487043	4156480	87.93%	5.408%
52	12.739	930	932	934	rVB2	140958	219485	4.64%	0.286%
53	12.796	935	937	938	rBV	150272	171528	3.63%	0.223%
54	12.831	938	940	942	rVV	3132661	3032432	64.15%	3.946%
55	12.899	943	946	950	rBV3	318545	492207	10.41%	0.640%
56	13.002	952	955	957	rVB2	301722	679619	14.38%	0.884%
57	13.048	957	959	960	rBV2	42179	65298	1.38%	0.085%
58	13.071	960	961	963	rBV	206912	213488	4.52%	0.278%
59	13.105	963	964	968	rVB	306704	471881	9.98%	0.614%
60	13.174	968	970	971	rBV2	40284	54784	1.16%	0.071%
61	13.196	971	972	974	rVB	185666	238353	5.04%	0.310%
62	13.231	974	975	977	rBV	266526	247632	5.24%	0.322%
63	13.414	989	991	994	rVB2	91389	117490	2.49%	0.153%
64	13.517	997	1000	1004	rVB	274130	357952	7.57%	0.466%
65	13.619	1007	1009	1011	rBV	284721	461587	9.76%	0.601%
66	13.654	1011	1012	1013	rVV	321988	306053	6.47%	0.398%
67	13.722	1017	1018	1023	rVB3	292190	539582	11.41%	0.702%
68	13.871	1028	1031	1033	rBV2	2060583	3487996	73.79%	4.538%
69	13.905	1033	1034	1038	rVB	1644823	1368350	28.95%	1.780%
70	13.974	1038	1040	1042	rBV2	153413	217545	4.60%	0.283%
71	14.019	1042	1044	1046	rBV	142647	171645	3.63%	0.223%

LSC Area Percent Report

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Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

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-BF050416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.225	1061	1062	1063	rBV	83715	81673	1.73%	0.106%
73	14.259	1063	1065	1067	rVV	318826	370852	7.85%	0.483%
74	14.294	1067	1068	1070	rVB2	175484	162992	3.45%	0.212%
75	14.351	1071	1073	1075	rVV2	157806	260582	5.51%	0.339%
76	14.385	1075	1076	1080	rVV2	158450	246127	5.21%	0.320%
77	14.454	1080	1082	1085	rVV2	66346	100222	2.12%	0.130%
78	14.568	1090	1092	1096	rVV3	74053	193540	4.09%	0.252%
79	14.637	1096	1098	1099	rVV2	66159	80370	1.70%	0.105%
80	14.728	1103	1106	1110	rVB4	141473	289426	6.12%	0.377%
81	14.797	1110	1112	1114	rBV2	78998	112534	2.38%	0.146%
82	14.888	1117	1120	1124	rBV	1645199	3386501	71.64%	4.406%
83	14.980	1126	1128	1130	rVB	356055	408172	8.63%	0.531%
84	15.151	1141	1143	1146	rVB	897632	1319945	27.92%	1.717%
85	15.208	1146	1148	1151	rVV	1212383	1789322	37.85%	2.328%
86	15.265	1151	1153	1154	rVV	689823	831946	17.60%	1.082%
87	15.300	1154	1156	1160	rVB	422186	660848	13.98%	0.860%
88	15.700	1189	1191	1193	rBV2	68240	103606	2.19%	0.135%
89	16.282	1240	1242	1249	rVB5	81871	196551	4.16%	0.256%
90	16.408	1251	1253	1254	rBV2	80094	133018	2.81%	0.173%
91	16.580	1265	1268	1272	rVB	639602	1229167	26.00%	1.599%
92	16.740	1279	1282	1284	rBV	114657	228855	4.84%	0.298%
93	16.785	1284	1286	1289	rVV2	73059	150792	3.19%	0.196%
94	16.980	1299	1303	1310	rVB	558869	1102438	23.32%	1.434%
95	17.185	1318	1321	1327	rVB	119383	273247	5.78%	0.356%

Sum of corrected areas: 76856815

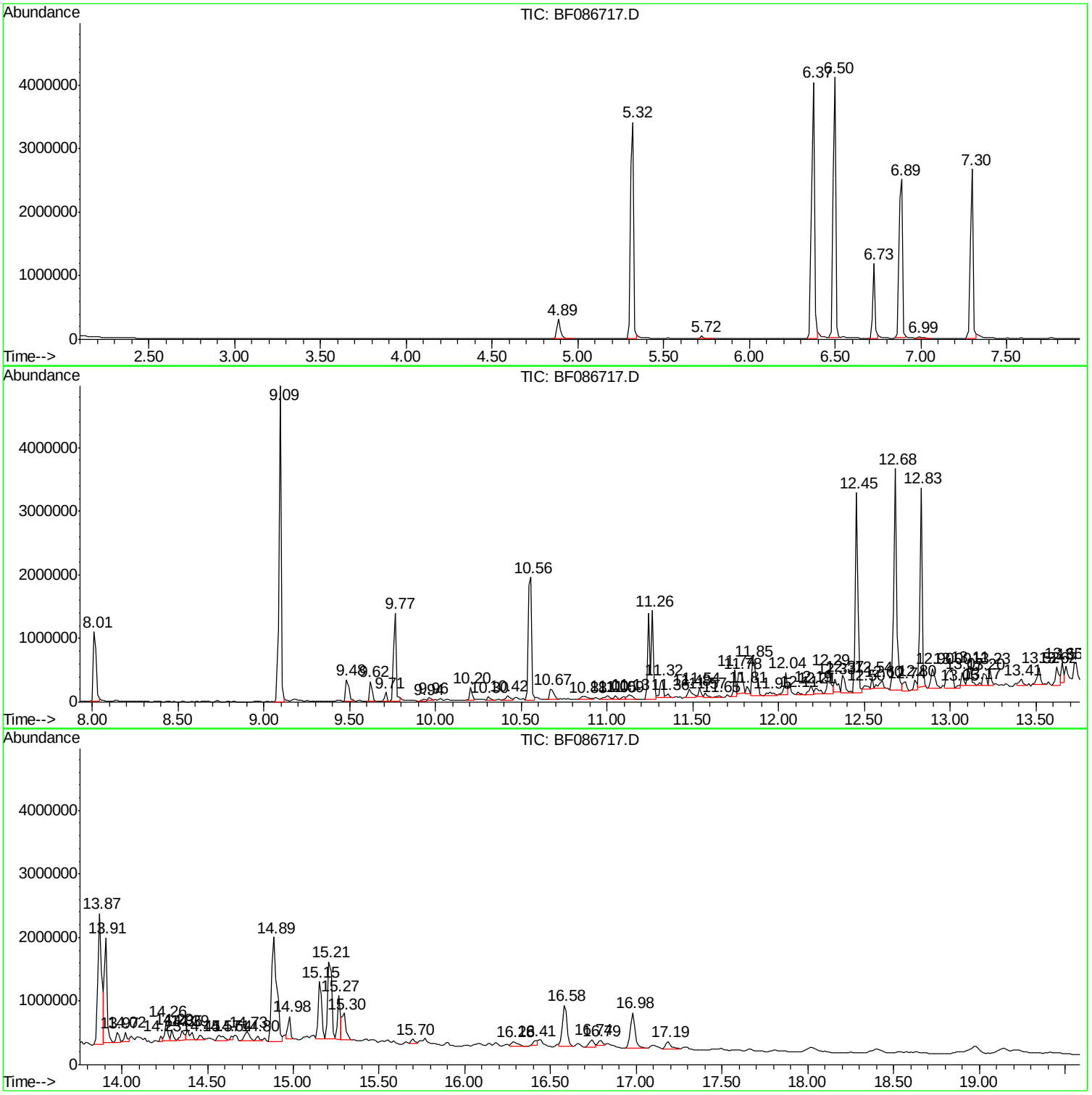
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

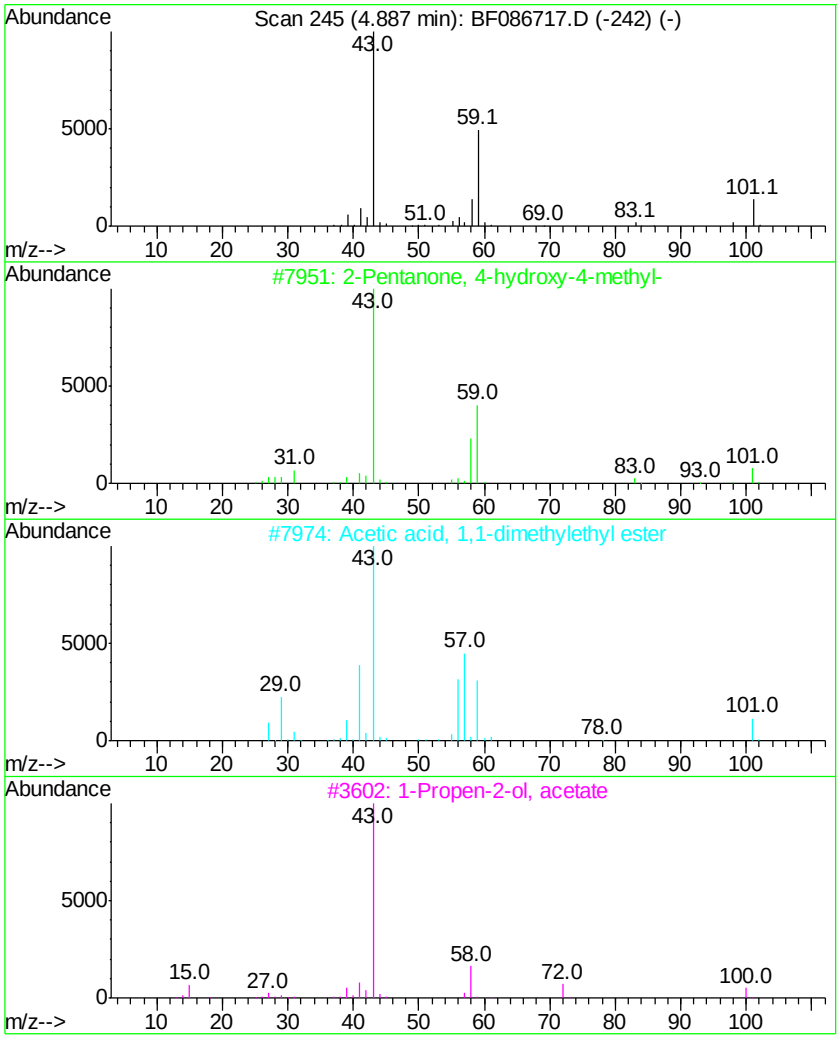
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

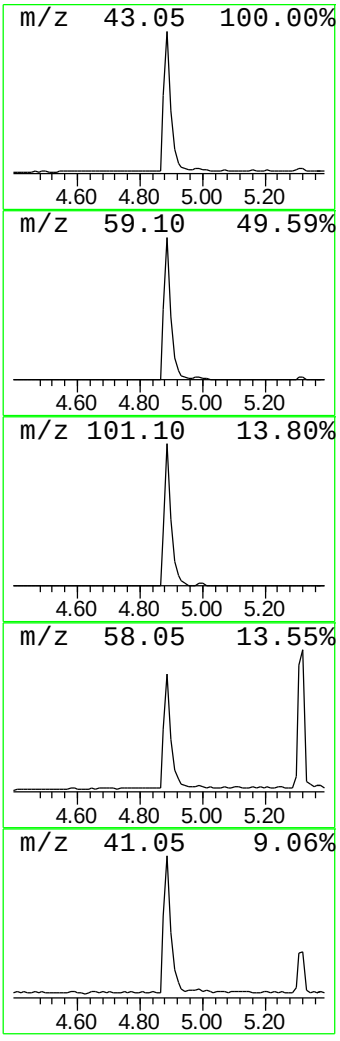
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	16.76 ng	477699	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

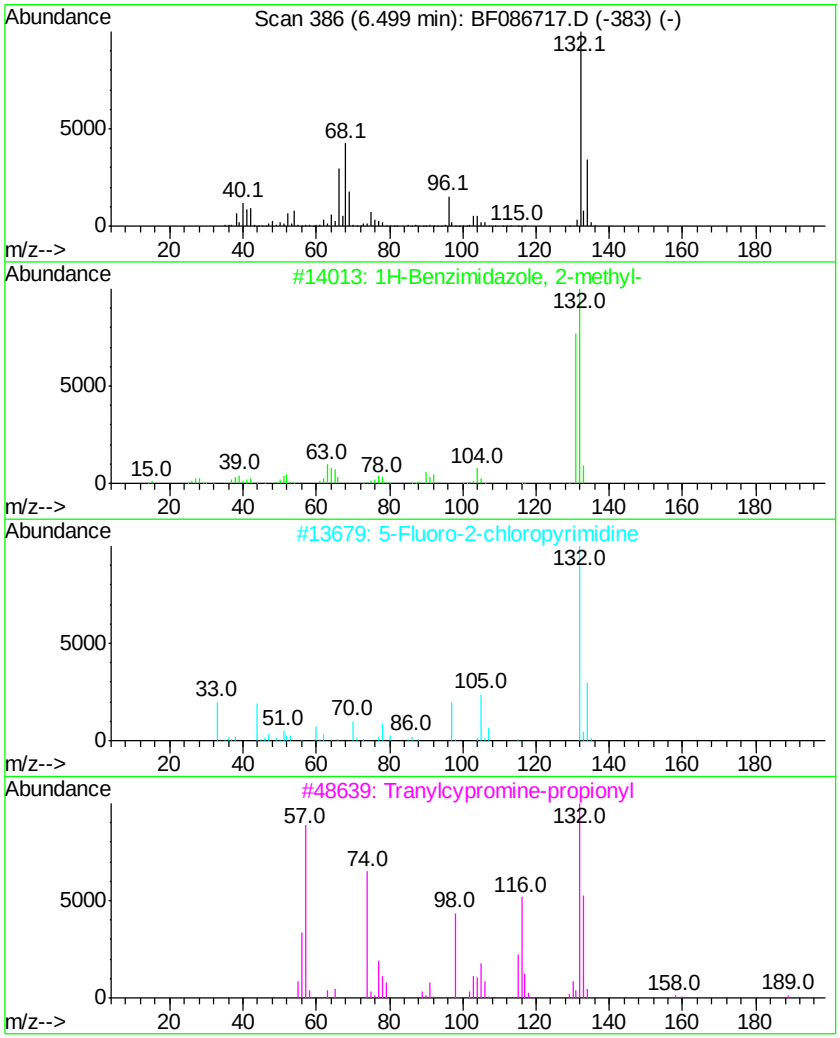
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

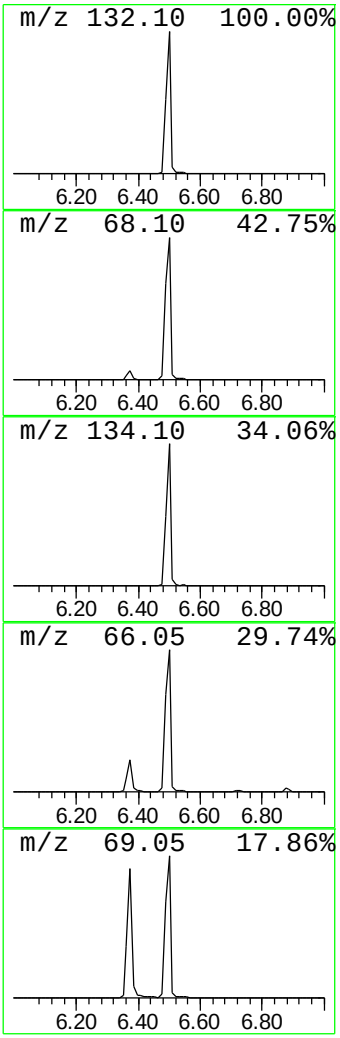
****

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	165.83 ng	4727210	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

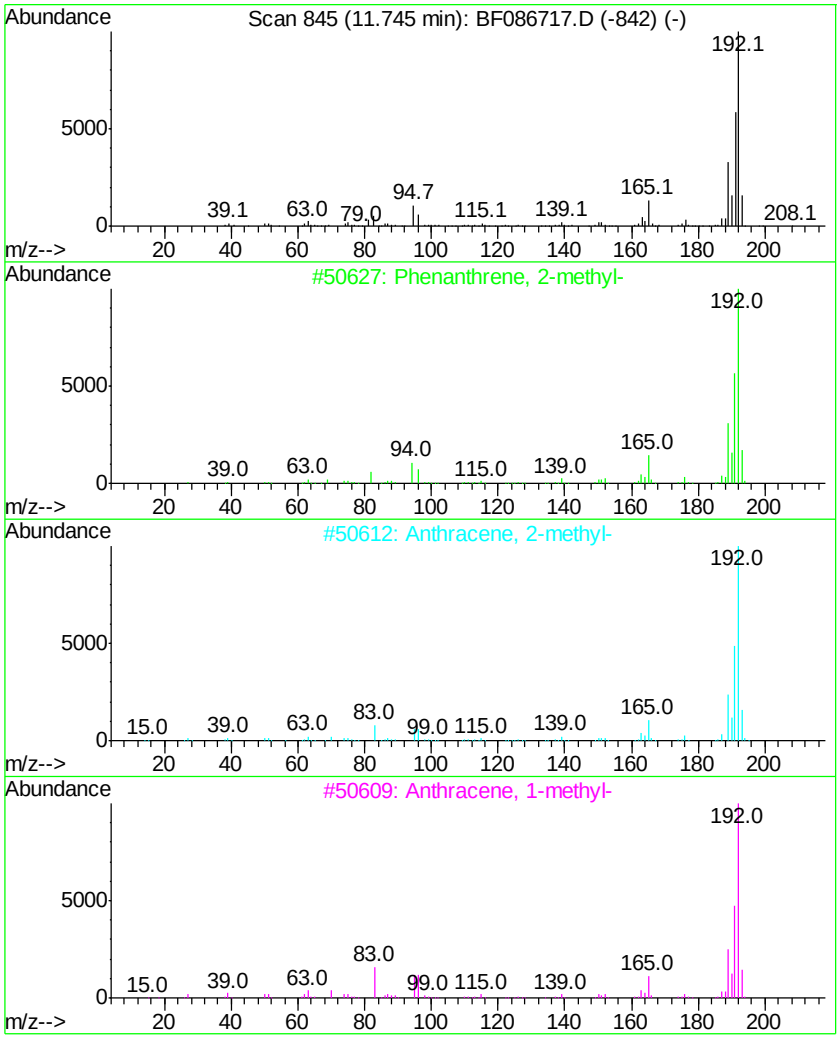
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

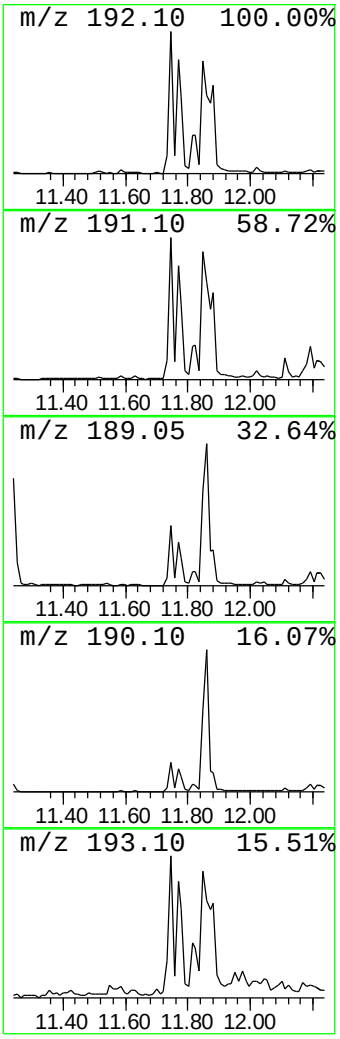
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.19 ng	390144	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

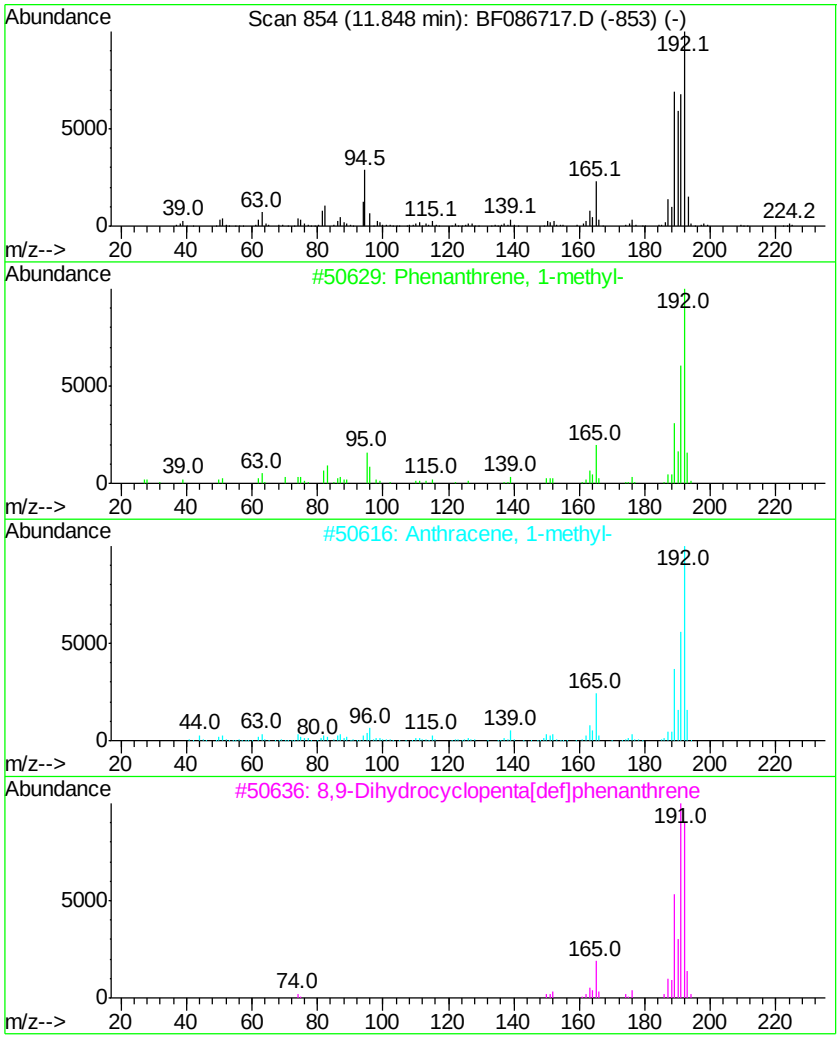
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

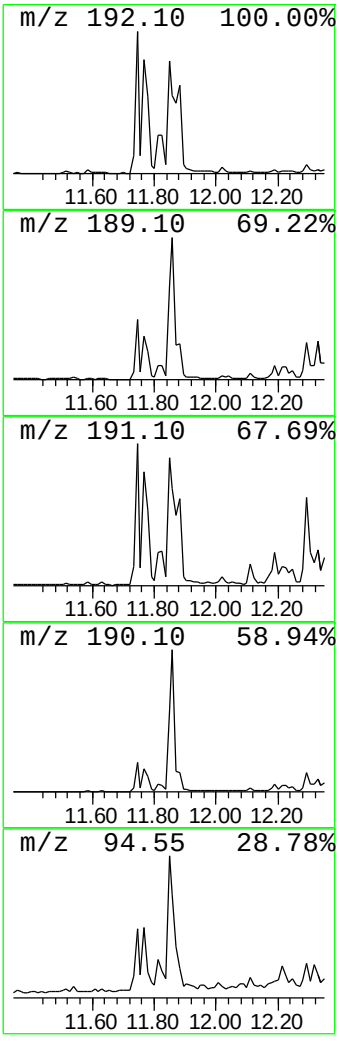
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	17.22 ng	1085970	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	55
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	55
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

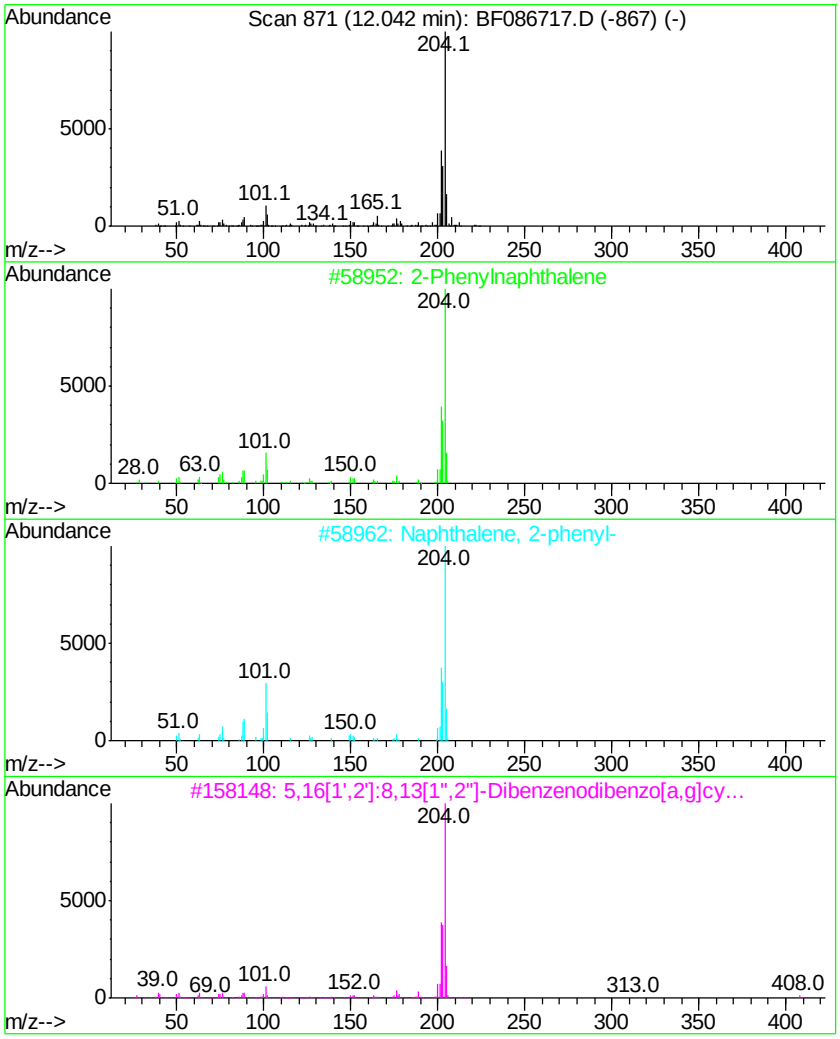
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

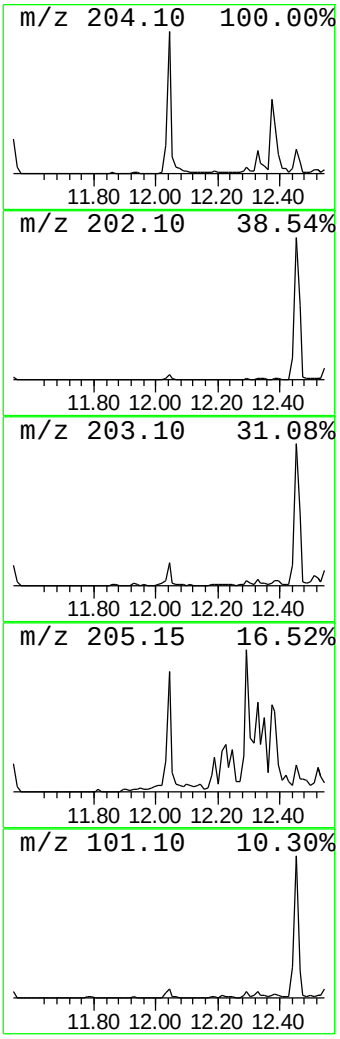
****

Peak Number 7 2-Phenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.66 ng	420068	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

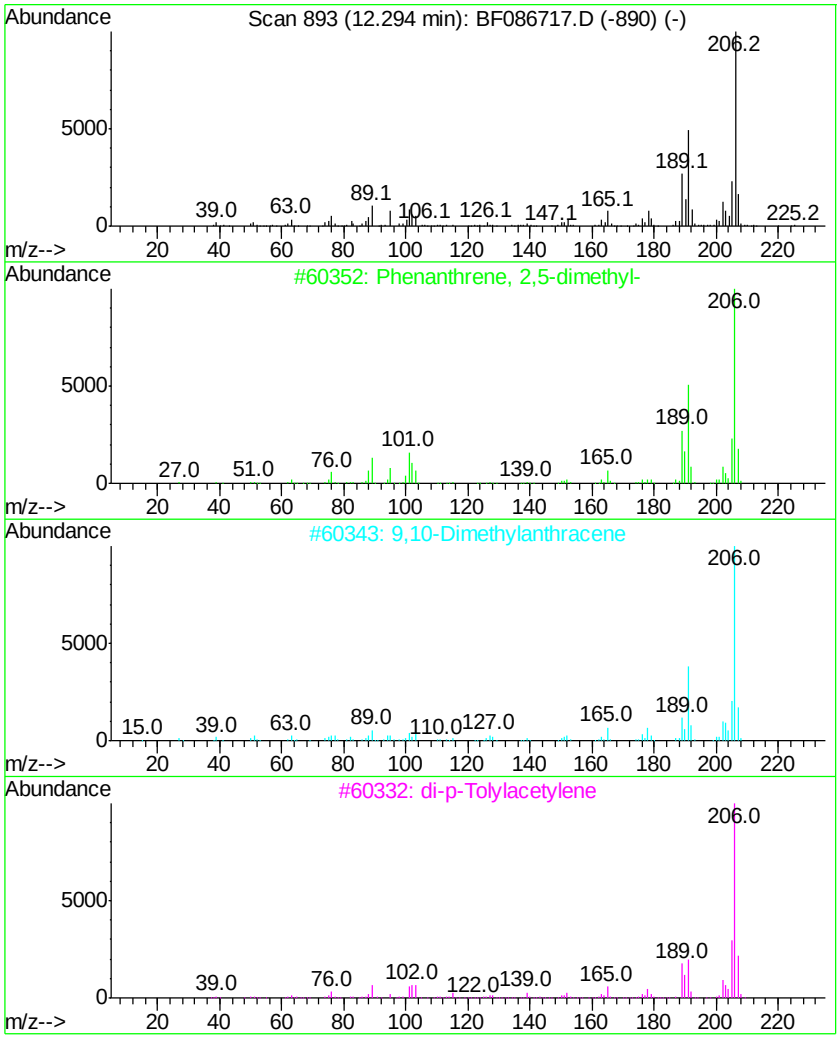
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

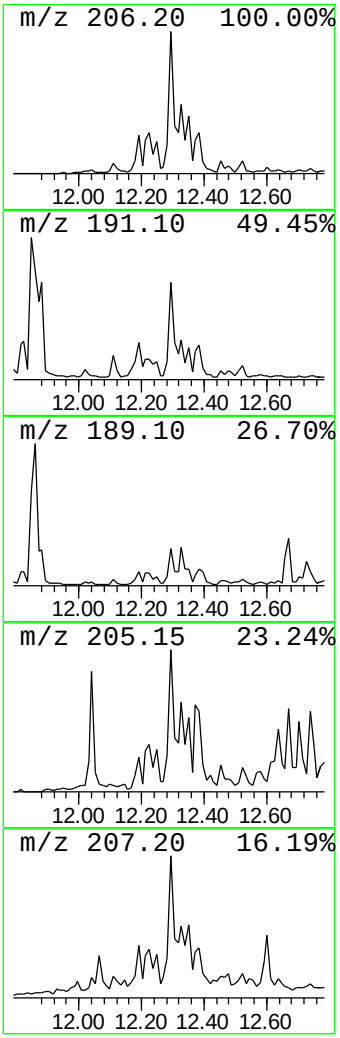
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	8.26 ng	521252	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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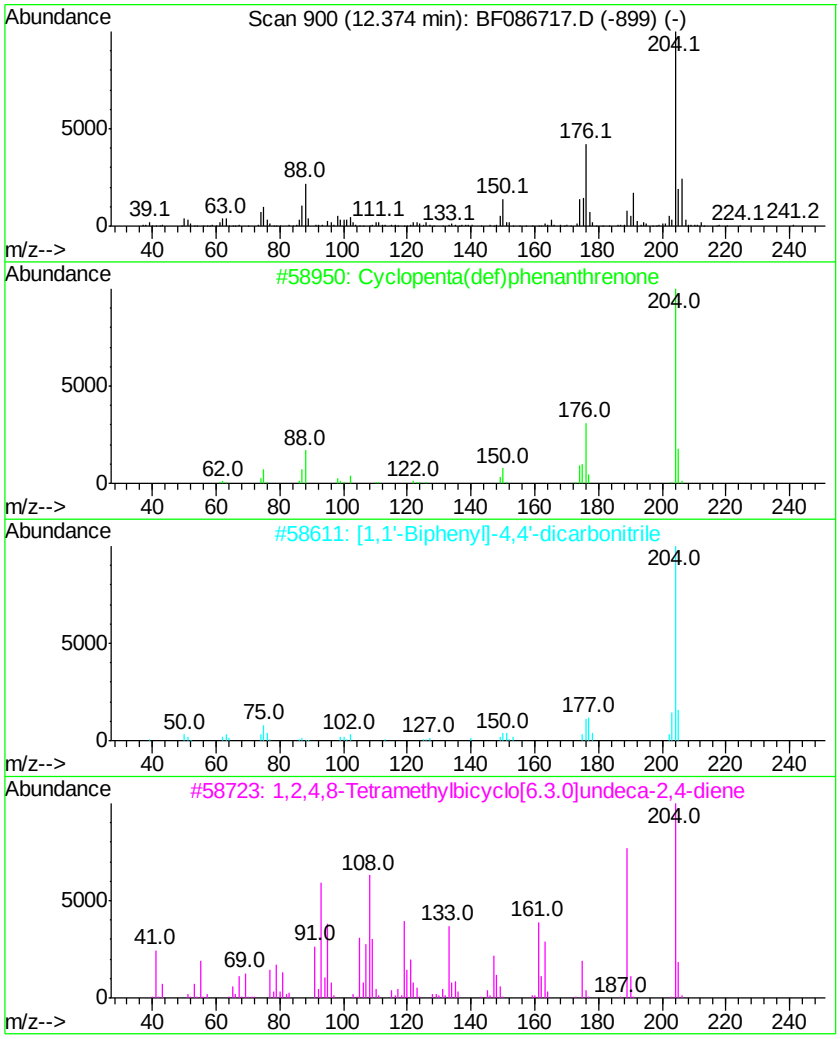
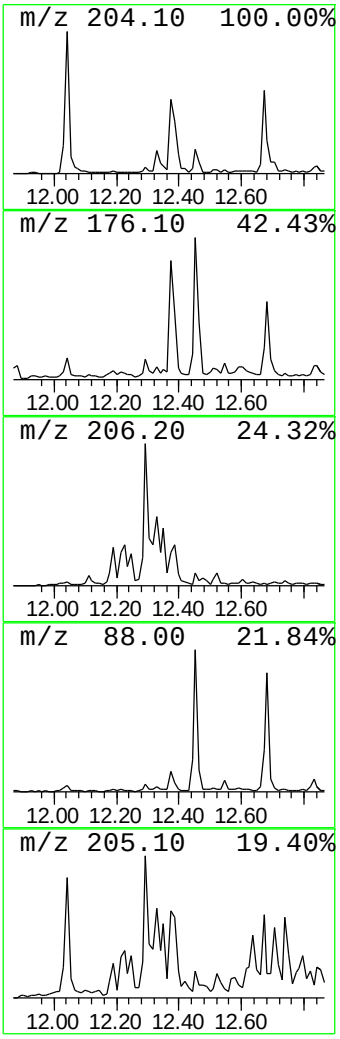
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	6.19 ng	390141	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	40
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38





Library Search Compound Report

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Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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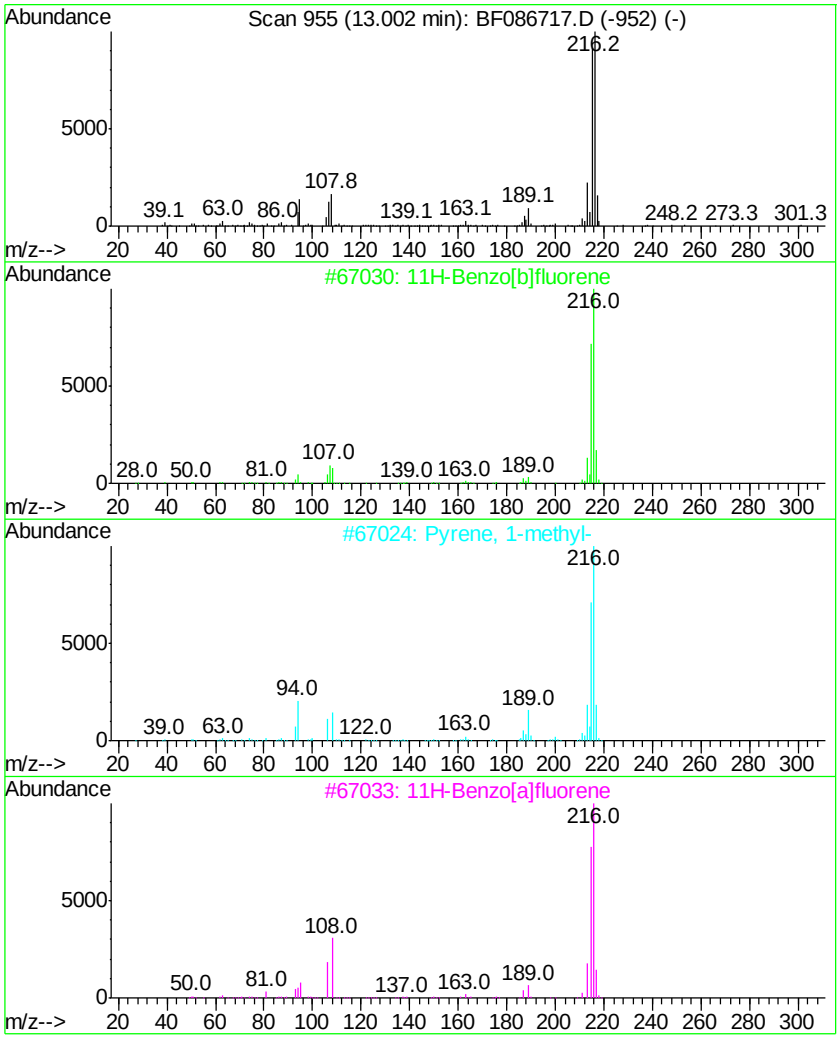
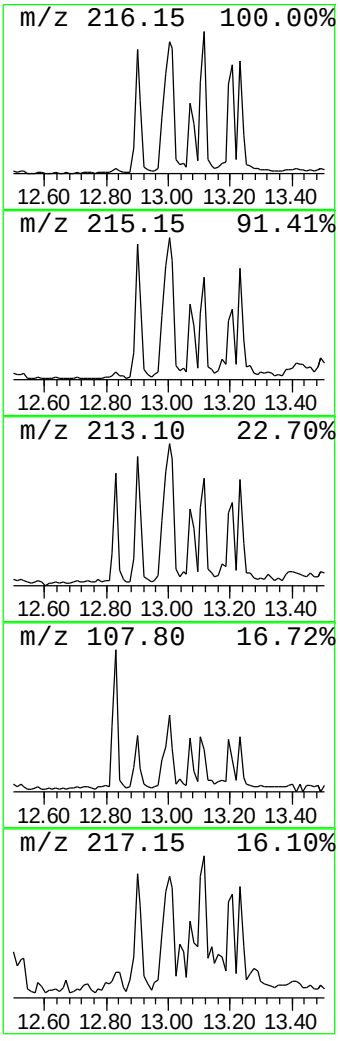
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	7.79 ng	679619	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

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Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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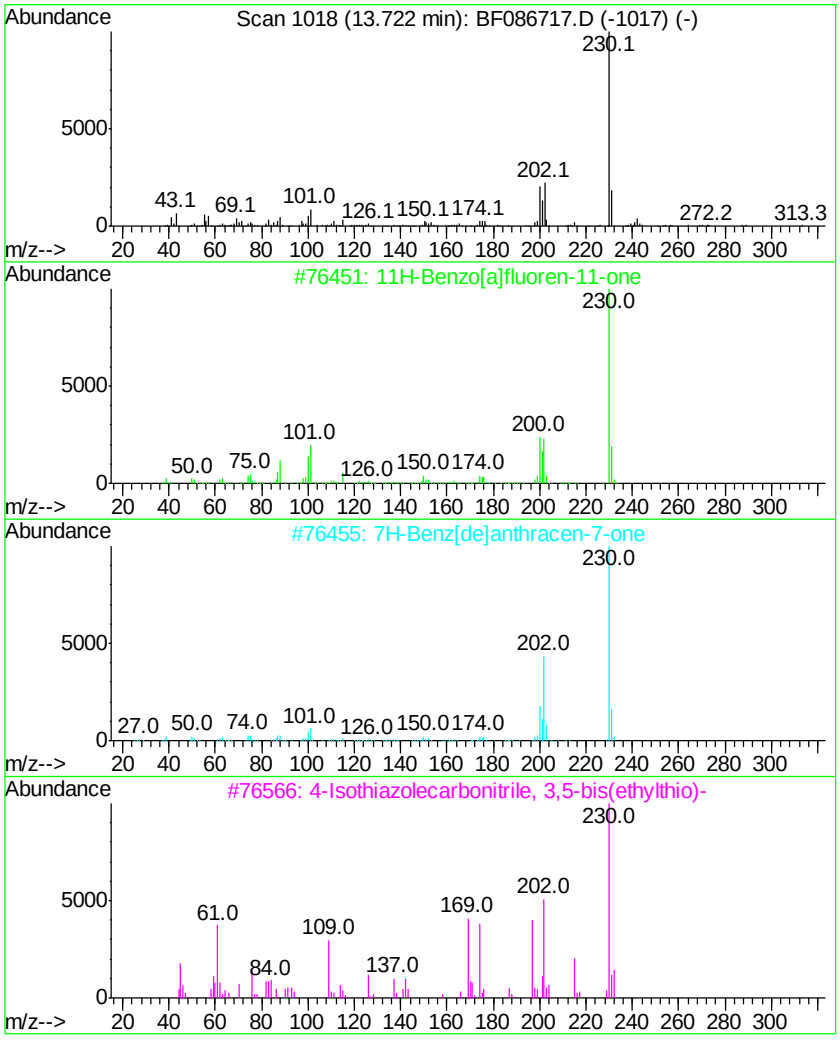
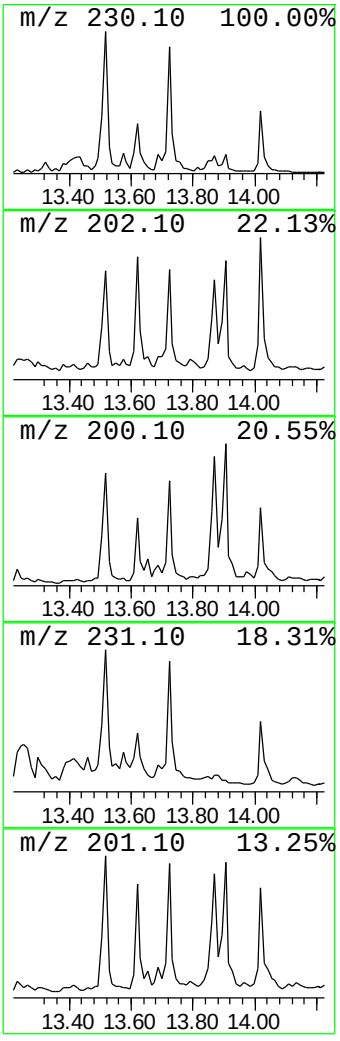
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	6.19 ng	539582	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
4	4-Chloro-indeno[1,2-b]pyridin-5-...	230	C12H7ClN2O	1000294-18-6	58
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	56





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Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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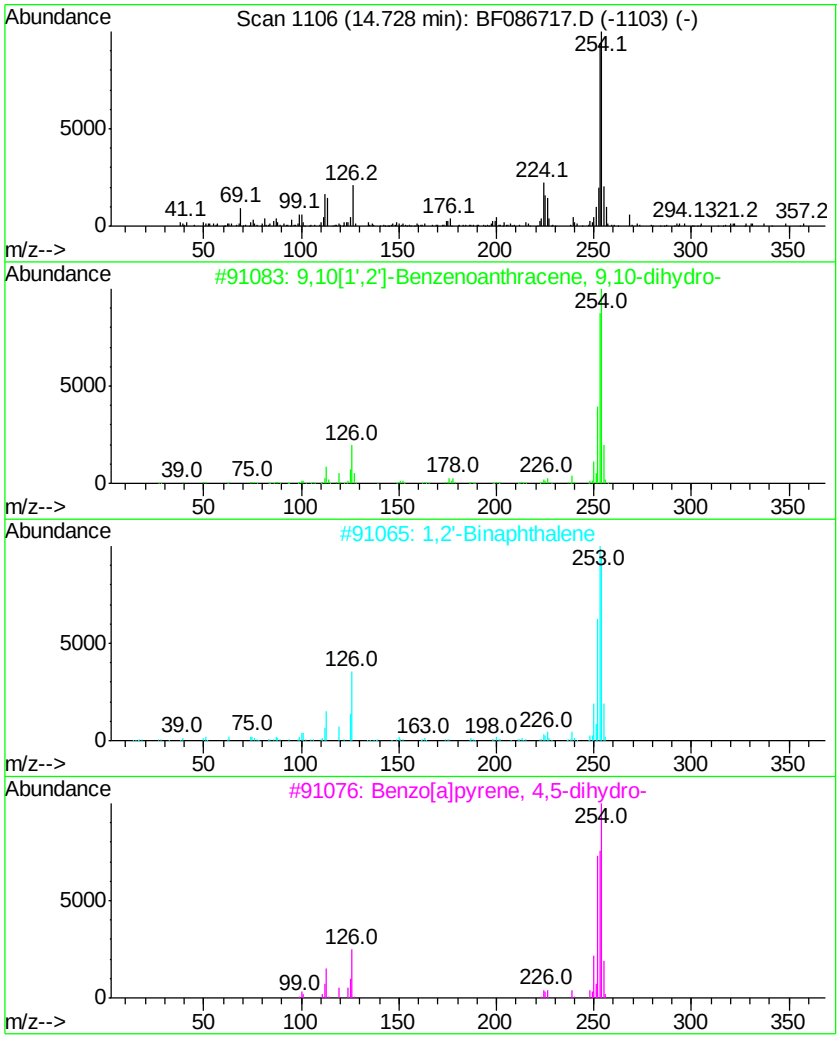
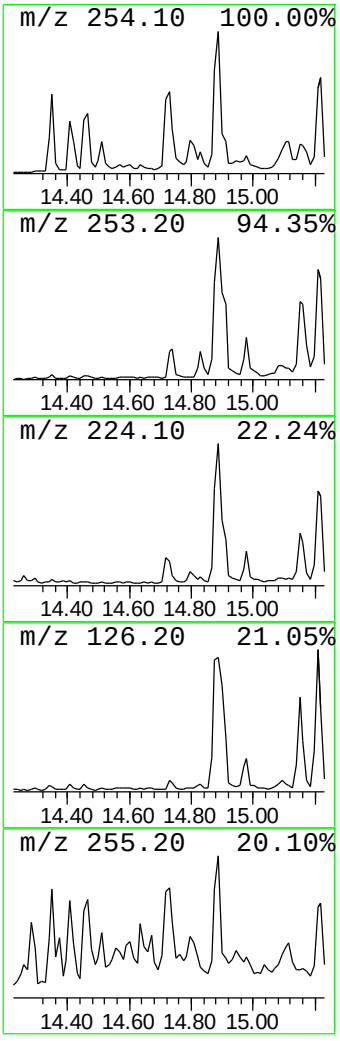
Peak Number 12 9,10[1',2']-Benzenoanthrace... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	13.92 ng	289426	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	81
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	74
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	72
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	68





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

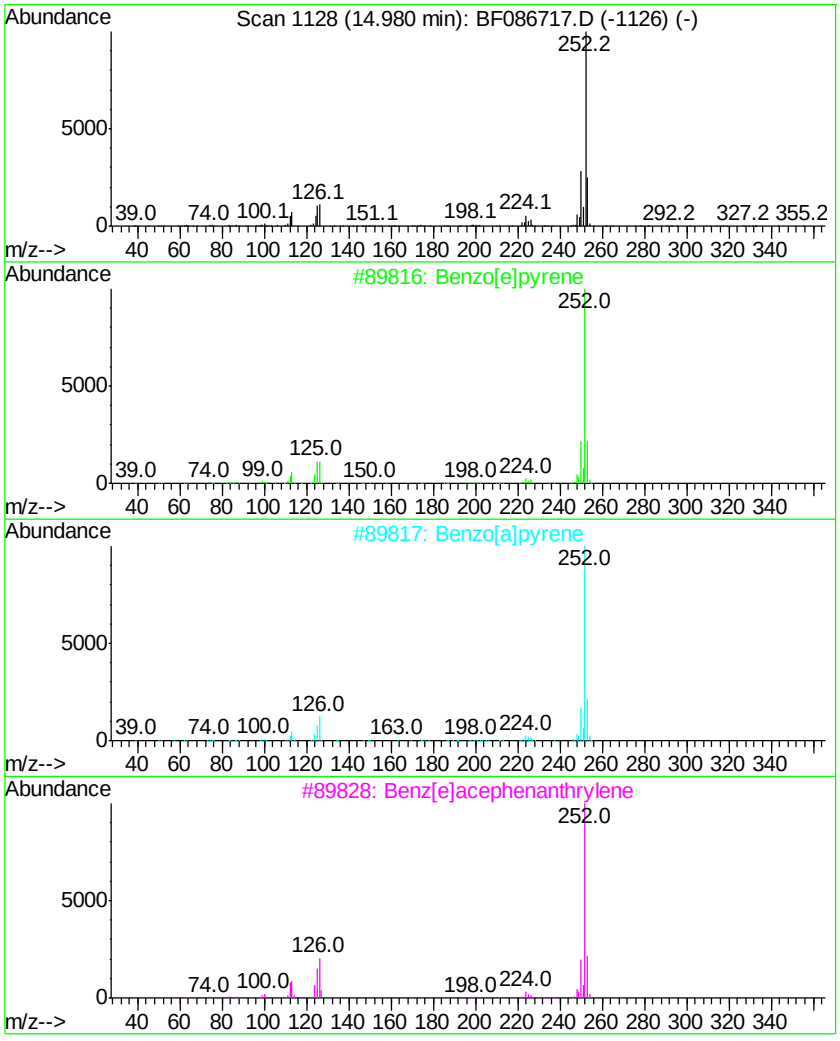
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

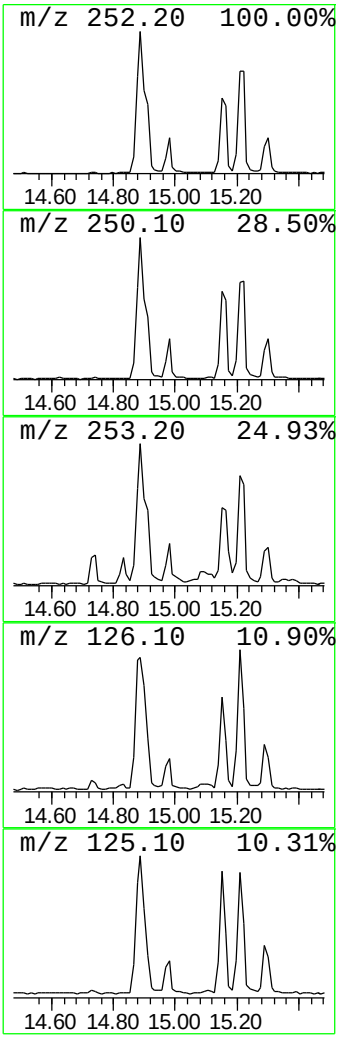
****

Peak Number 13 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	19.62 ng	408172	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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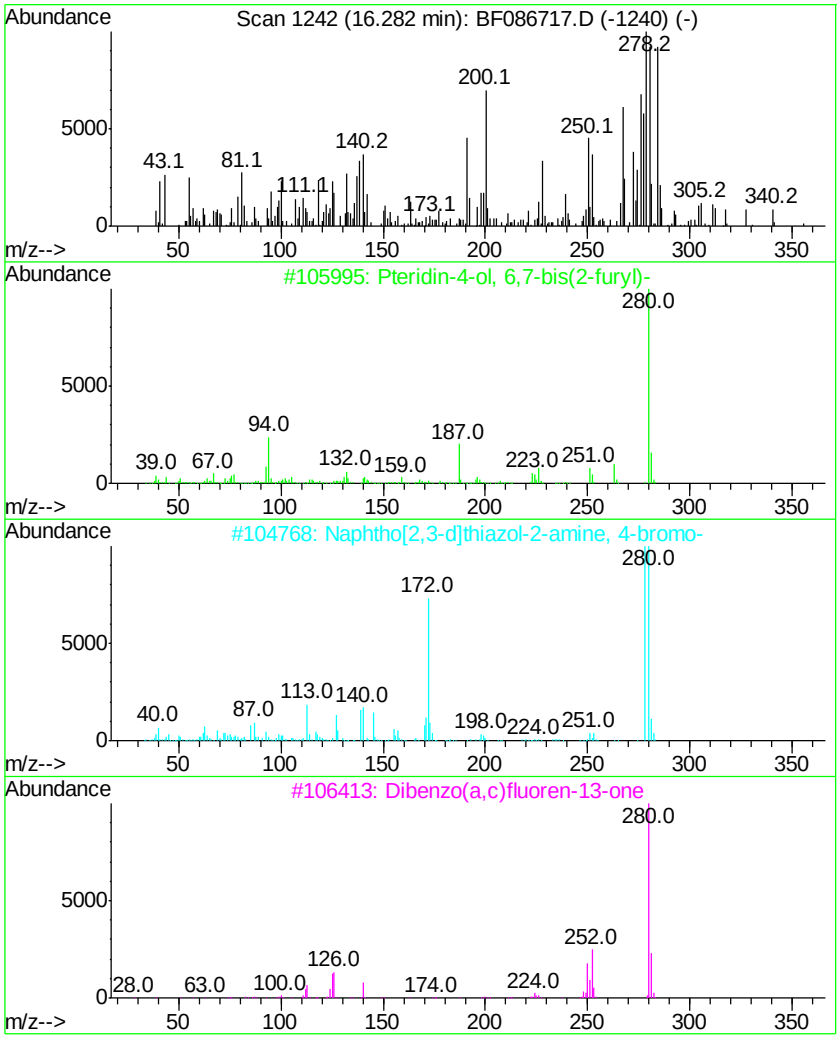
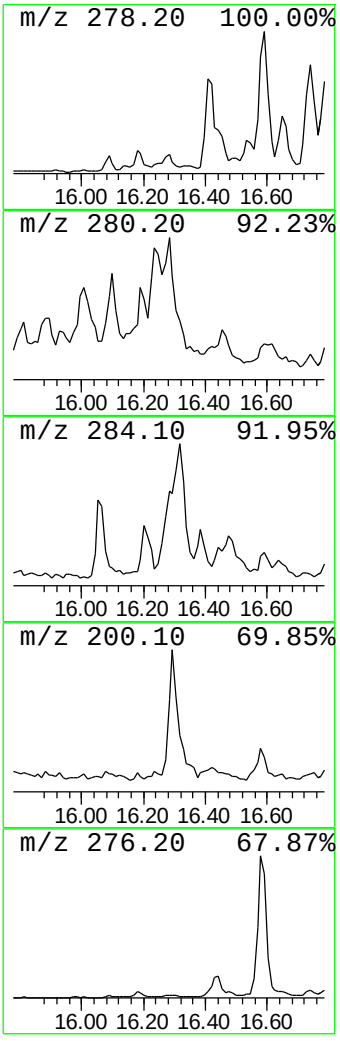
Peak Number 16 unknown16.28 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	9.45 ng	196551	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pteridin-4-ol, 6,7-bis(2-furyl)-	280	C14H8N4O3	313996-29-1	25
2	Naphtho[2,3-d]thiazol-2-amine, 4...	278	C11H7BrN2S	1000270-99-8	22
3	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	15
4	1,3-Diamino-8,9-dichloro-5,6-dih...	280	C12H10Cl2N4	037436-48-9	11
5	7H-Indeno[2,1-a]anthracen-7-one	280	C21H12O	027582-45-2	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
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Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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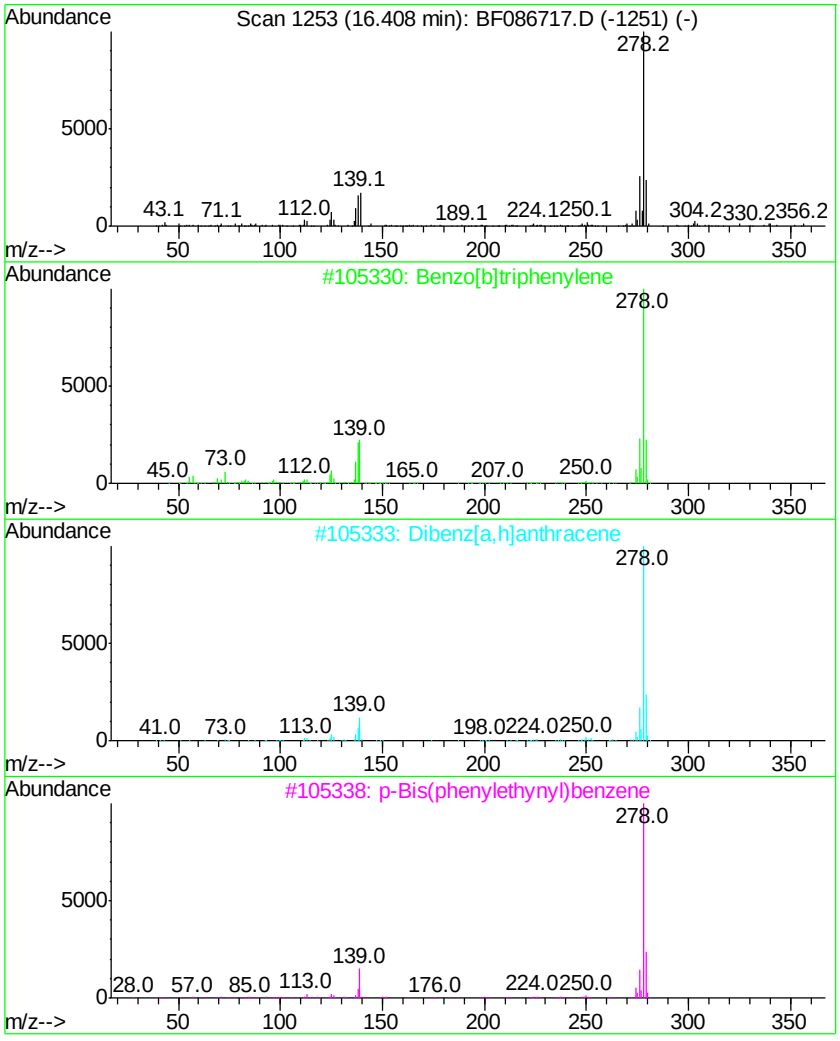
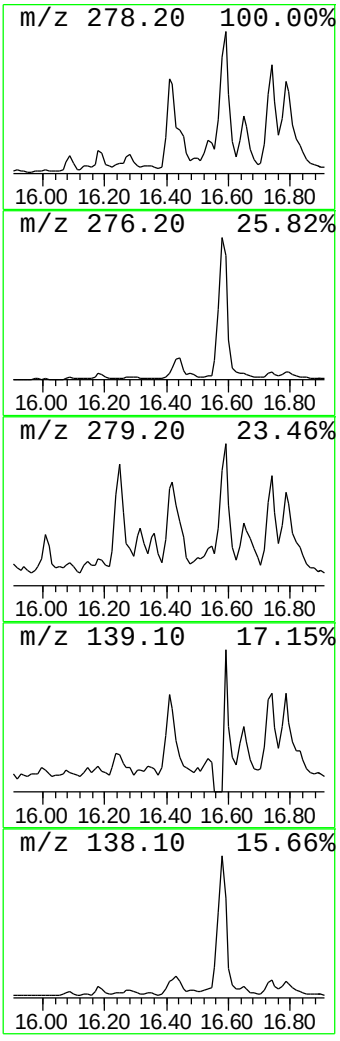
Peak Number 17 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	6.40 ng	133018	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
3	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	90
4	Benzo[b]chrysene	278	C22H14	000214-17-5	90
5	Pentaphene	278	C22H14	000222-93-5	90





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Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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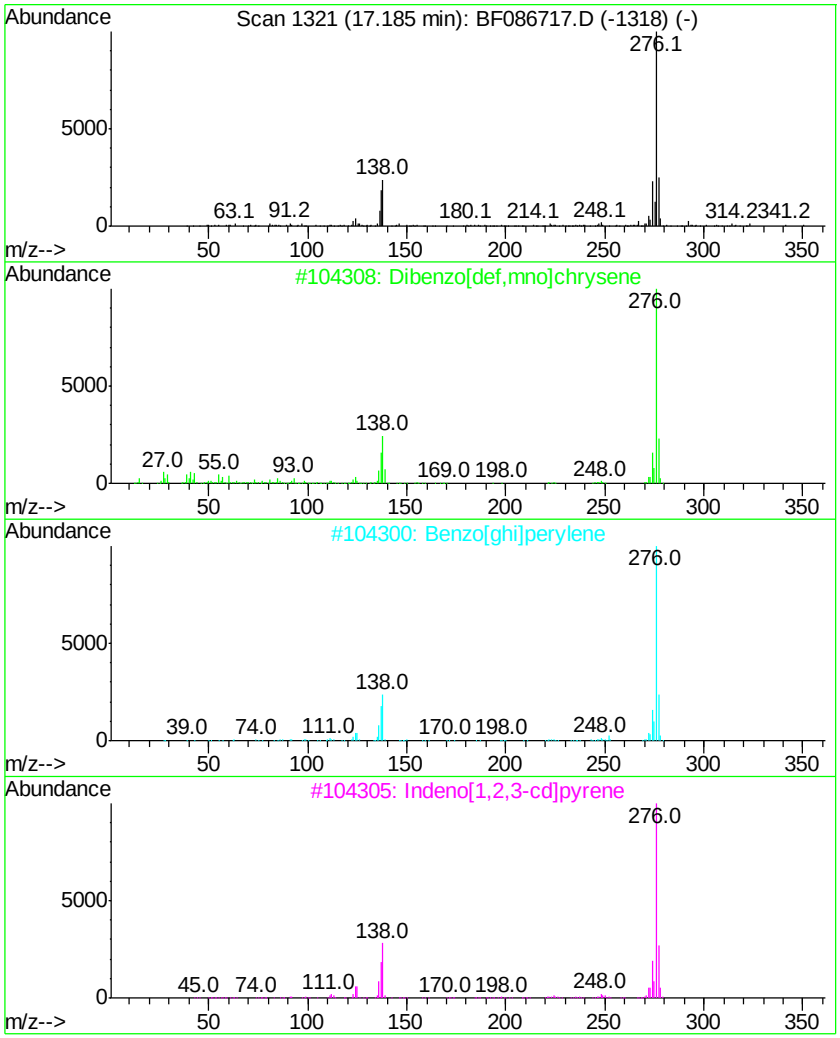
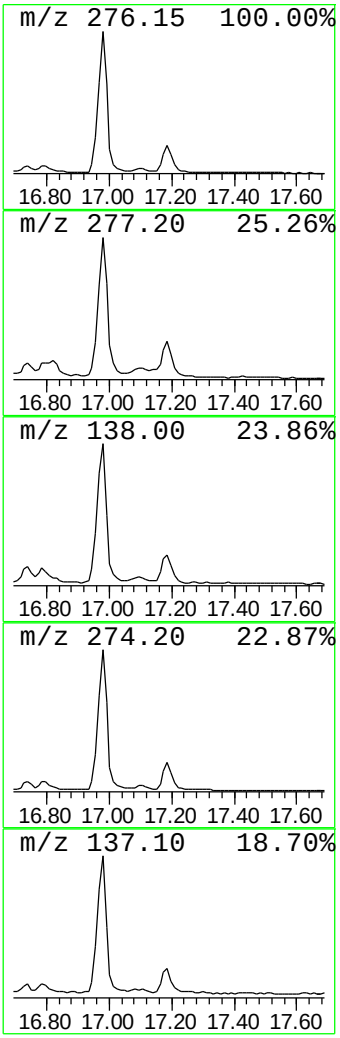
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	13.14 ng	273247	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
Operator : UM/SJ
Sample : H2829-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EUT01-TD-B3(5-9)-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.89	16.8	ng	477699	1	6.73	1140250	40.0
unknown6.50	6.50	165.8	ng	4727210	1	6.73	1140250	40.0
Phenanthrene, 2-m...	11.74	6.2	ng	390144	4	11.24	2523080	40.0
Phenanthrene, 1-m...	11.85	17.2	ng	1085970	4	11.24	2523080	40.0
2-Phenylnaphthalene	12.04	6.7	ng	420068	4	11.24	2523080	40.0
Phenanthrene, 2,5...	12.29	8.3	ng	521252	4	11.24	2523080	40.0
Cyclopenta(def)ph...	12.37	6.2	ng	390141	4	11.24	2523080	40.0
11H-Benzo[b]fluorene	13.00	7.8	ng	679619	5	13.88	3488000	40.0
11H-Benzo[a]fluor...	13.72	6.2	ng	539582	5	13.88	3488000	40.0
9,10[1',2']-Benze...	14.73	13.9	ng	289426	6	15.27	831946	40.0
Benzo[e]pyrene	14.98	19.6	ng	408172	6	15.27	831946	40.0
unknown16.28	16.28	9.4	ng	196551	6	15.27	831946	40.0
Benzo[b]triphenylene	16.41	6.4	ng	133018	6	15.27	831946	40.0
Dibenzo[def,mno]c...	17.19	13.1	ng	273247	6	15.27	831946	40.0