LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

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-BF092016.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	1.667	5	7	49	rVB	1720999	4210433	100.00%	8.580%
2	4.604	261	264	273	rVB	425364	714353	16.97%	1.456%
3	5.073	302	305	307	rBV	2753129	3129472	74.33%	6.377%
4	6.159	397	400	403	rBV	2404151	2947002	69.99%	6.006%
5	6.273	407	410	412	rBV	3203520	3284335	78.00%	6.693%
6	6.502	428	430	433	rBV	931356	854095	20.29%	1.741%
7	6.662	441	444	446	rBV	2547628	2424639	57.59%	4.941%
8	7.073	477	480	483	rBV	1533479	1625247	38.60%	3.312%
9	7.793	541	543	545	rBV	1120393	1071401	25.45%	2.183%
10	8.879	635	638	640	rBV	2130215	2886898	68.57%	5.883%
11	9.279	670	673	675	rVV	675836	875611	20.80%	1.784%
12	9.393	682	683	686	rVB	75747	61391	1.46%	0.125%
13	9.531	693	695	697	rBV	1020041	1070410	25.42%	2.181%
14	9.565	697	698	701	rVB	125497	99659	2.37%	0.203%
15	9.736	711	713	715	rBV	72929	81525	1.94%	0.166%
16	9.851	722	723	725	rVV2	35975	53179	1.26%	0.108%
17	9.942	729	731	734	rVV2	36758	70364	1.67%	0.143%
18	9.999	734	736	737	rVB	65595	66368	1.58%	0.135%
19	10.079	741	743	744	rBV	99011	105003	2.49%	0.214%
20	10.216	752	755	756	rBV	39143	53520	1.27%	0.109%
21	10.239	756	757	761	rVB	51547	44906	1.07%	0.092%
22	10.319	761	764	766	rBV	1983514	2033019	48.29%	4.143%
23	10.468	773	777	780	rBV2	109106	176035	4.18%	0.359%
24	10.616	787	790	792	rBV4	32018	66180	1.57%	0.135%
25	10.754	800	802	803	rBV	52480	55019	1.31%	0.112%
26	10.868	810	812	813	rBV	47947	61578	1.46%	0.125%
27	10.914	813	816	817	rVV2	88084	125367	2.98%	0.255%
28	11.005	821	824	825	rBV	1247001	1383879	32.87%	2.820%
29	11.074	828	830	832	rVV	263838	293578	6.97%	0.598%
30	11.119	832	834	836	rVB	34989	47863	1.14%	0.098%
31	11.234	843	844	849	rBV3	48054	73377	1.74%	0.150%
32	11.336	851	853	855	rBV	85253	73039	1.73%	0.149%
33	11.496	865	867	869	rBV	121919	204423	4.86%	0.417%
34	11.531	869	870	872	rVV	218284	180301	4.28%	0.367%

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Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

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-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.577	872	874	875	rVV2	191237	278737	6.62%	0.568%
36	11.611	875	877	882	rVB2	274751	424213	10.08%	0.864%
37	11.748	887	889	892	rVV3	76425	144645	3.44%	0.295%
38	11.817	892	895	897	rVV2	87929	200051	4.75%	0.408%
39	11.862	897	899	901	rVV	430895	578820	13.75%	1.180%
40	11.954	905	907	908	rBV2	86324	92220	2.19%	0.188%
41	12.057	913	916	917	rBV	80773	113757	2.70%	0.232%
42	12.091	917	919	921	rVV3	44839	63958	1.52%	0.130%
43	12.205	927	929	932	rBV	1662282	1428105	33.92%	2.910%
44	12.262	932	934	936	rVB2	100948	115705	2.75%	0.236%
45	12.342	939	941	945	rBV2	86309	100114	2.38%	0.204%
46	12.422	945	948	951	rBV2	1344466	1481906	35.20%	3.020%
47	12.479	951	953	957	rVB2	84406	161198	3.83%	0.328%
48	12.548	957	959	960	rBV	96874	90531	2.15%	0.184%
49	12.582	960	962	965	rBV	1839362	2282041	54.20%	4.650%
50	12.651	965	968	972	rVB4	100441	188993	4.49%	0.385%
51	12.719	972	974	976	rBV2	125714	249885	5.93%	0.509%
52	12.754	976	977	979	rVB	182521	147952	3.51%	0.302%
53	12.822	981	983	984	rBV	136821	120267	2.86%	0.245%
54	12.857	984	986	987	rBV2	160651	169987	4.04%	0.346%
55	12.971	992	996	1002	rVB3	77224	231195	5.49%	0.471%
56	13.177	1008	1014	1018	rBV5	57755	201357	4.78%	0.410%
57	13.257	1018	1021	1023	rVV2	62331	102222	2.43%	0.208%
58	13.360	1028	1030	1031	rBV	79830	99729	2.37%	0.203%
59	13.394	1031	1033	1038	rVV3	105338	260333	6.18%	0.531%
60	13.497	1040	1042	1048	rVB2	295807	359150	8.53%	0.732%
61	13.611	1049	1052	1058	rVV2	1121630	2113472	50.20%	4.307%
62	13.714	1058	1061	1062	rBV	115235	110631	2.63%	0.225%
63	13.817	1068	1070	1078	rVB6	62521	207572	4.93%	0.423%
64	13.931	1078	1080	1082	rBV3	21814	49439	1.17%	0.101%
65	14.000	1084	1086	1087	rVV	107781	119913	2.85%	0.244%
66	14.034	1087	1089	1091	rVB2	46384	57077	1.36%	0.116%
67	14.091	1091	1094	1095	rBV2	54127	82674	1.96%	0.168%
68	14.137	1095	1098	1102	rVB4	89723	187035	4.44%	0.381%
69	14.297	1110	1112	1114	rBV	50645	81687	1.94%	0.166%
70	14.400	1118	1121	1124	rVV4	53628	120919	2.87%	0.246%
71	14.594	1136	1138	1143	rBV	587250	1068306	25.37%	2.177%

LSC Area Percent Report

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Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

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-BF092016.M
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72	14.685	1143	1146	1147	rVV2	87565	143482	3.41%	0.292%
73	14.720	1147	1149	1151	rVB3	29883	49247	1.17%	0.100%
74	14.834	1157	1159	1162	rBV	348592	395272	9.39%	0.806%
75	14.880	1162	1163	1166	rVV	355294	532578	12.65%	1.085%
76	14.937	1166	1168	1177	rVB2	785544	1197993	28.45%	2.441%
77	15.394	1203	1208	1211	rVB5	54474	149962	3.56%	0.306%
78	15.840	1245	1247	1253	rVB5	56597	134743	3.20%	0.275%
79	15.966	1254	1258	1262	rBV3	52849	128379	3.05%	0.262%
80	16.091	1266	1269	1274	rBV2	211302	394665	9.37%	0.804%
81	16.228	1279	1281	1283	rBV	38700	71463	1.70%	0.146%
82	16.286	1283	1286	1291	rVB3	45349	119531	2.84%	0.244%
83	16.434	1296	1299	1304	rVV	187919	364128	8.65%	0.742%
84	16.560	1306	1310	1313	rVV4	88166	221229	5.25%	0.451%
85	16.617	1313	1315	1324	rVB2	67668	185534	4.41%	0.378%
86	17.349	1376	1379	1384	rBV6	26656	80587	1.91%	0.164%
87	18.171	1446	1451	1457	rVB	48858	174188	4.14%	0.355%
88	18.331	1459	1465	1468	rBV3	32037	128088	3.04%	0.261%
89	19.029	1522	1526	1529	rBV2	23186	81405	1.93%	0.166%
90	19.097	1529	1532	1541	rVB3	32352	129748	3.08%	0.264%

Sum of corrected areas: 49071487

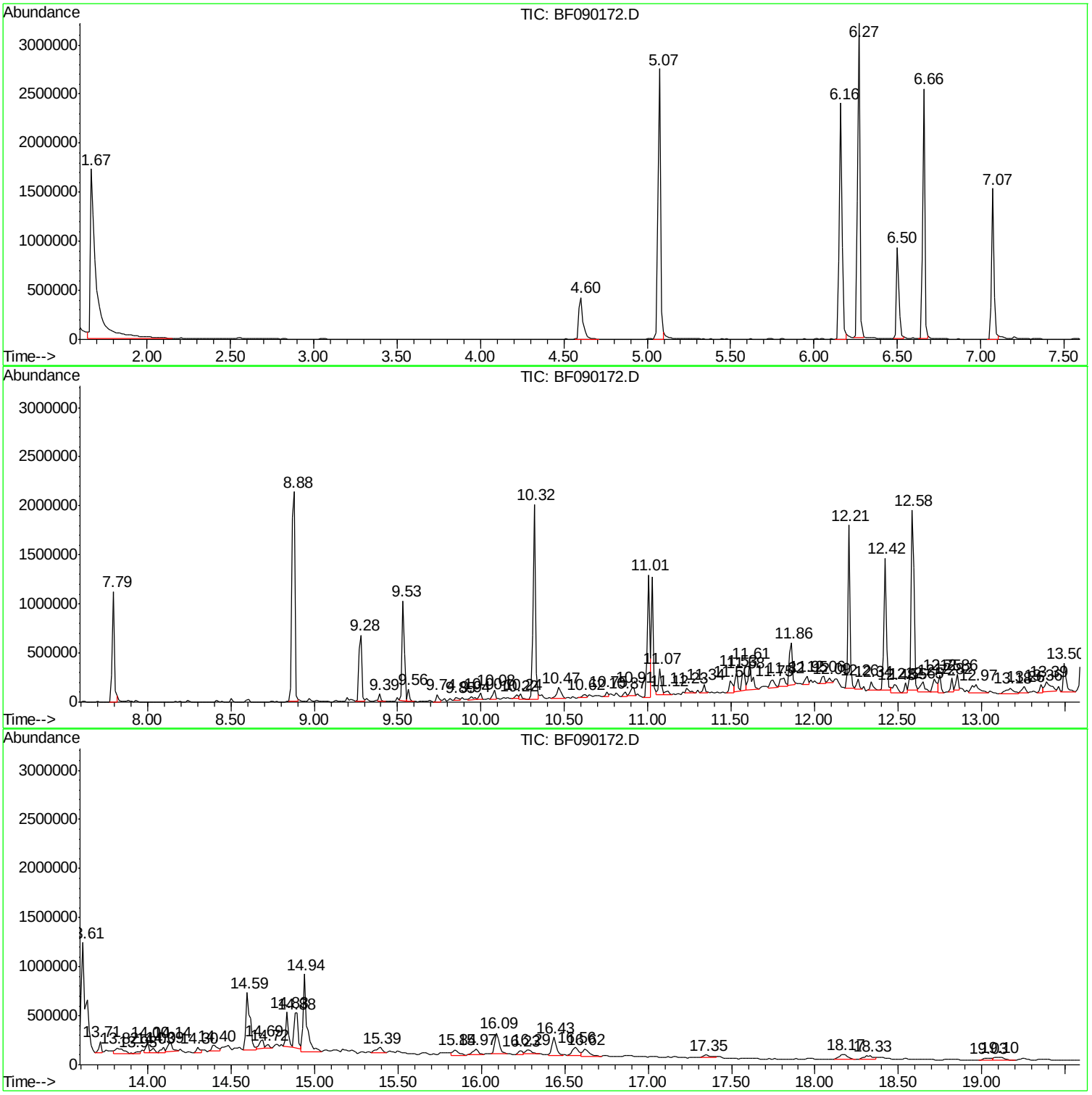
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

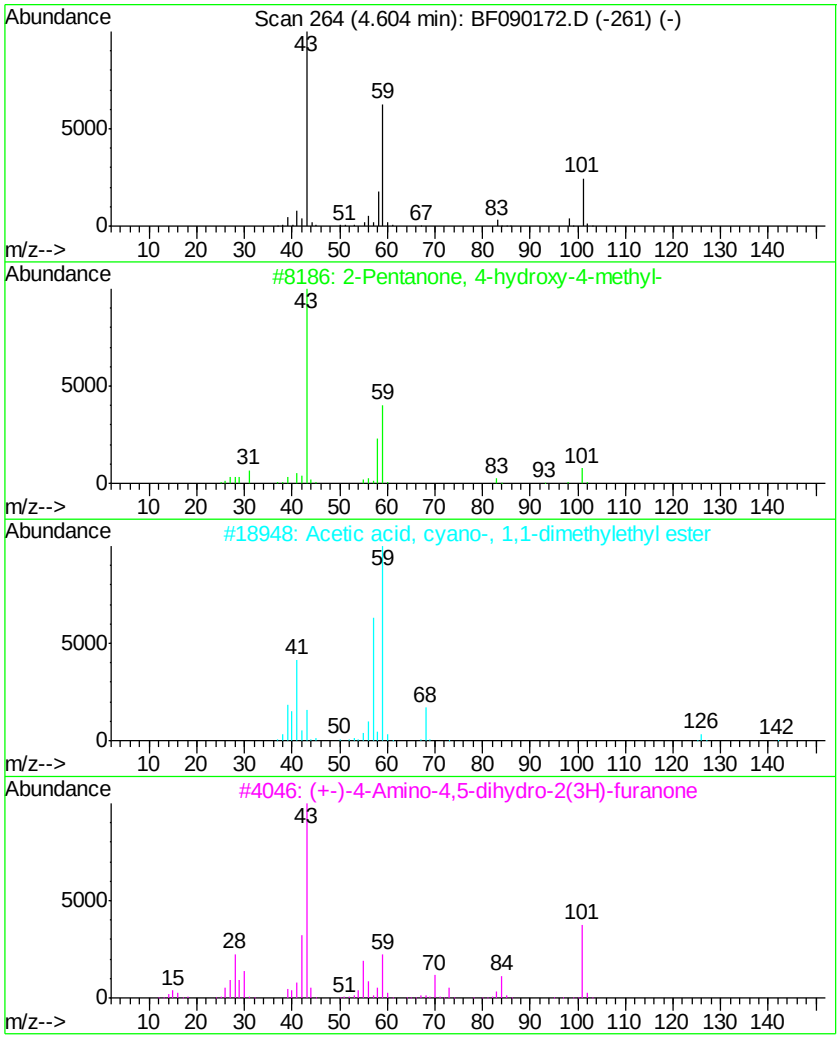
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

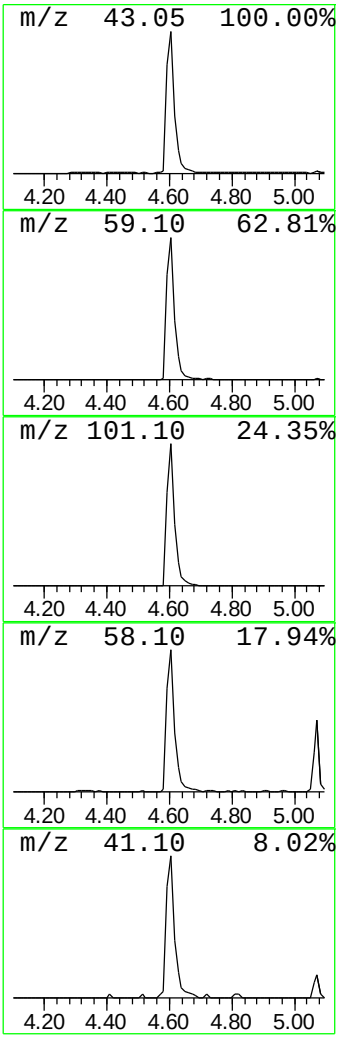
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	16.73 ng	714353	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

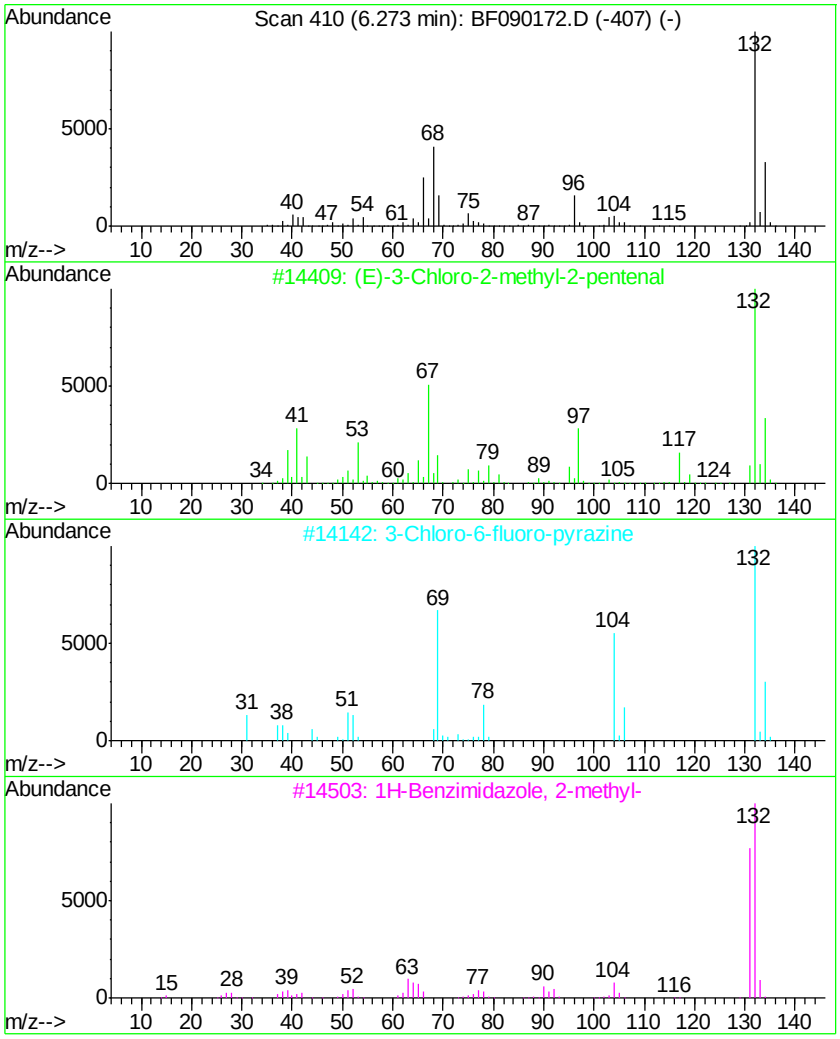
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

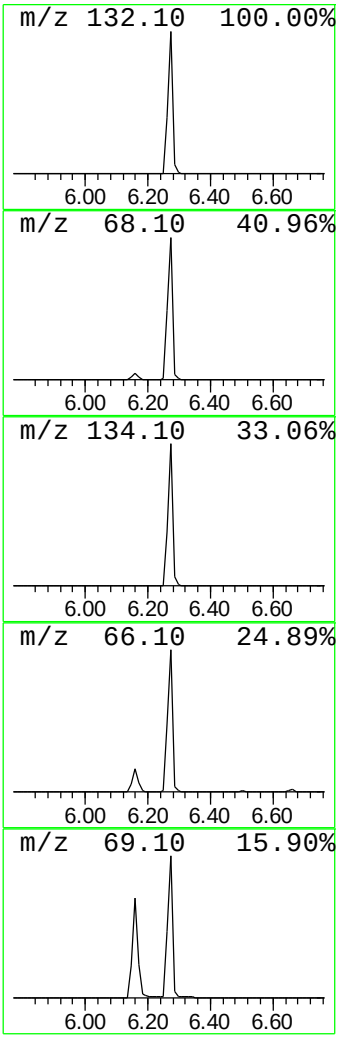
****

Peak Number 3 unknown6.27 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	76.91 ng	3284340	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
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Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

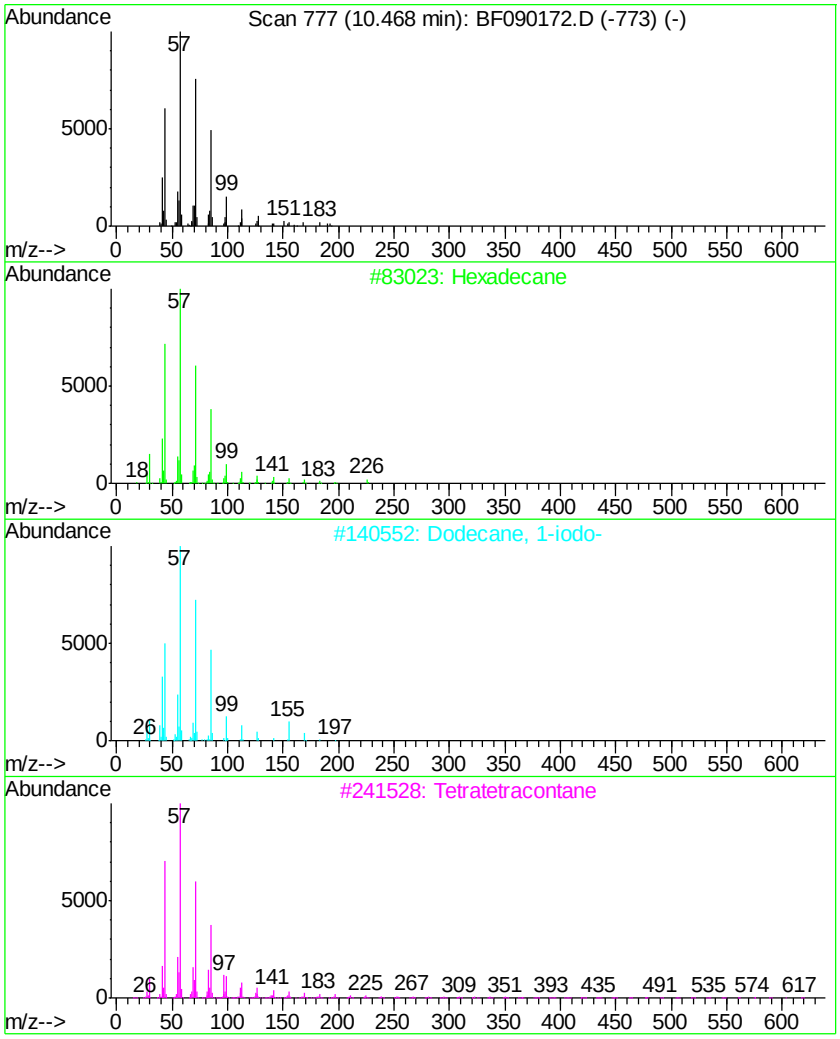
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

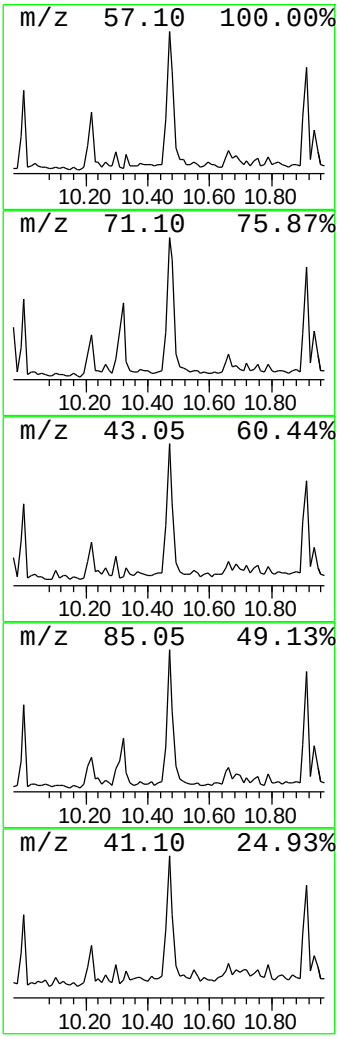
****

Peak Number 5 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	2.54 ng	176035	Phenanthrene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
3	Tetratetracontane	619	C44H90	007098-22-8	86
4	Tetracosane	338	C24H50	000646-31-1	86
5	Heneicosane	296	C21H44	000629-94-7	83





Library Search Compound Report

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Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
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TIC Library : C:\Database\NIST11.L
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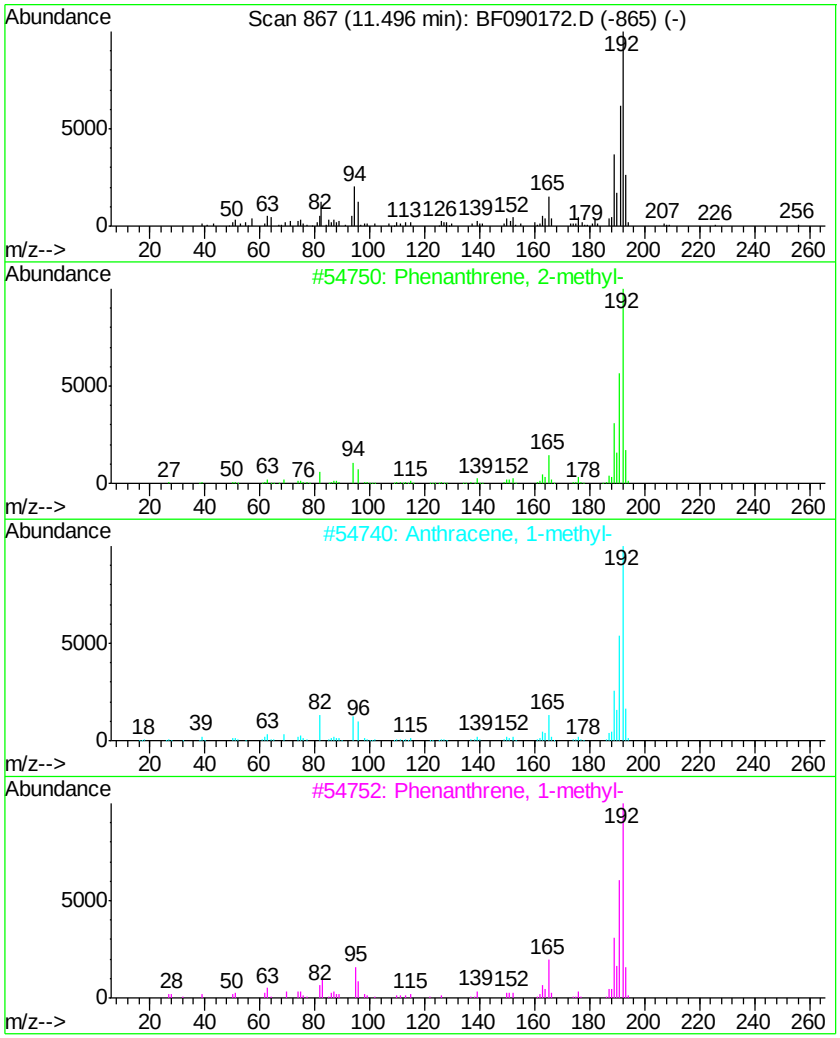
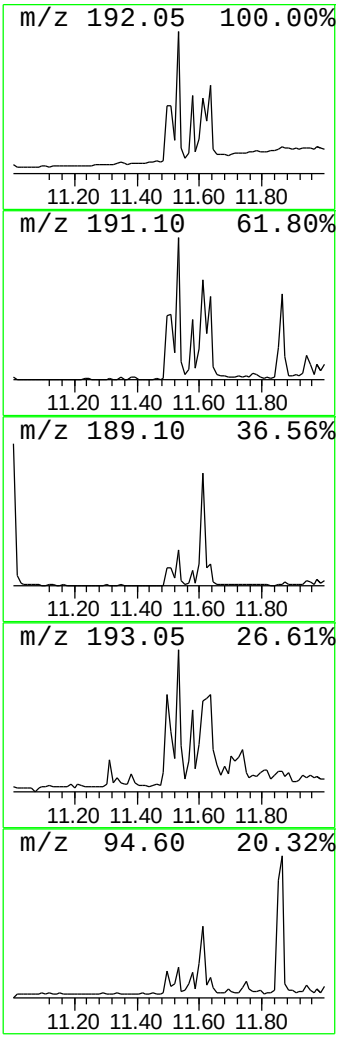
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	2.95 ng	204423	Phenanthrene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

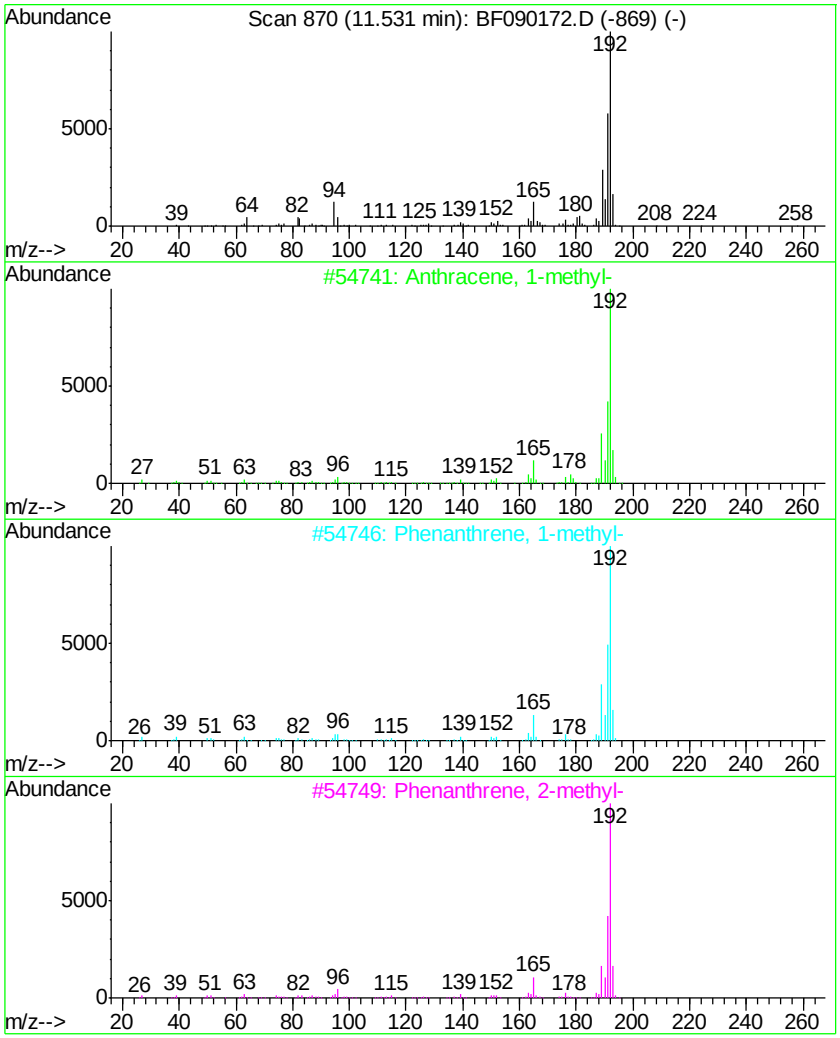
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

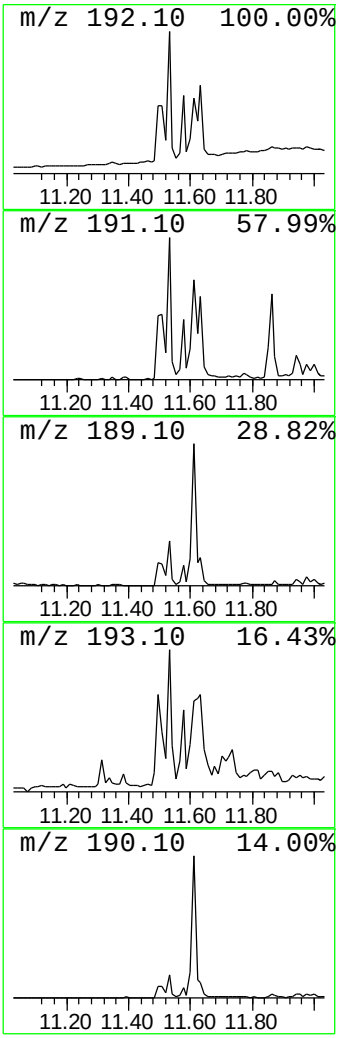
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	2.61 ng	180301	Phenanthrene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

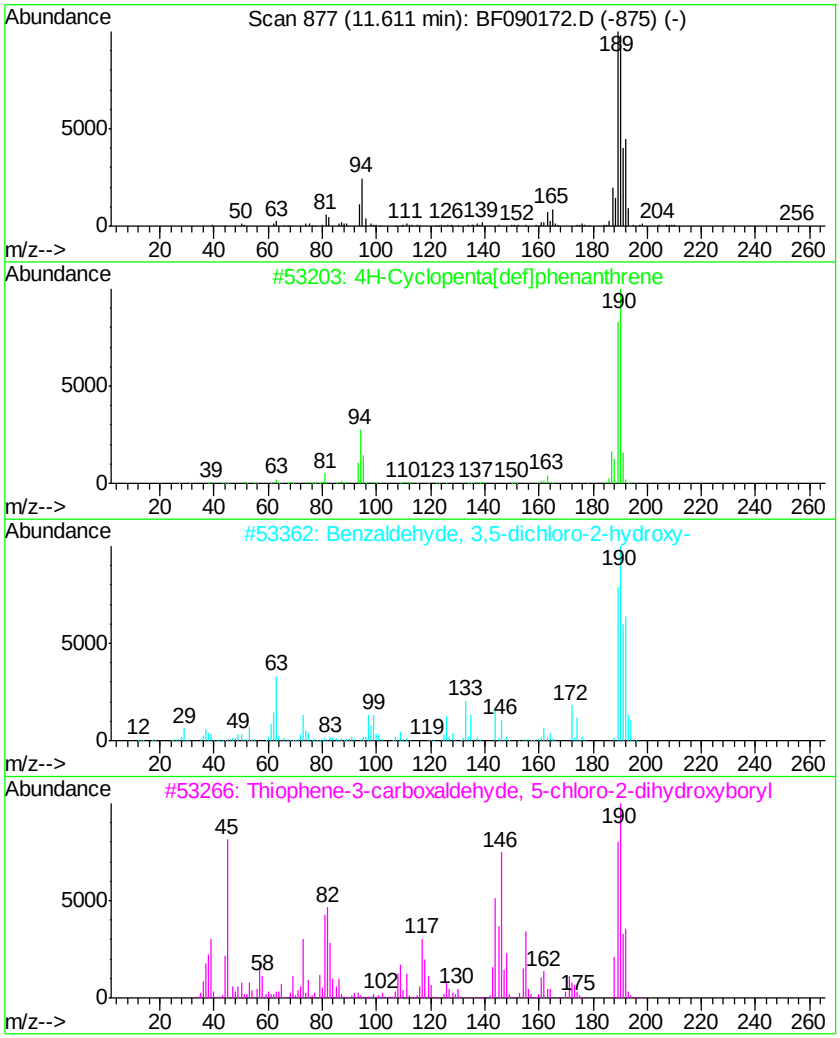
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

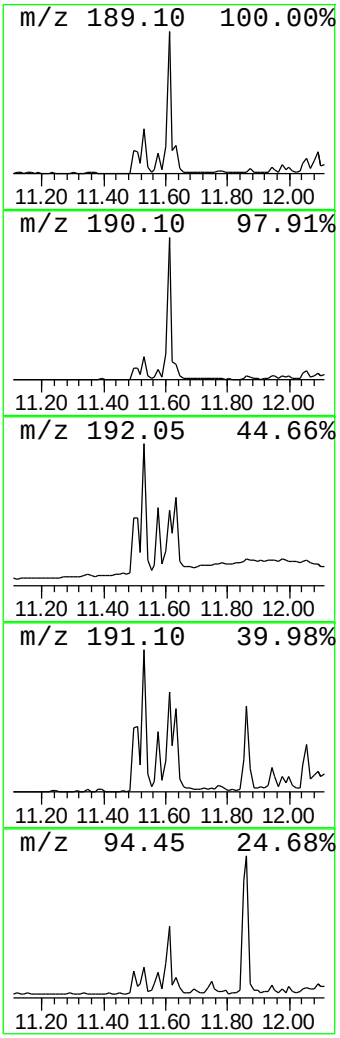
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	6.13 ng	424213	Phenanthrene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

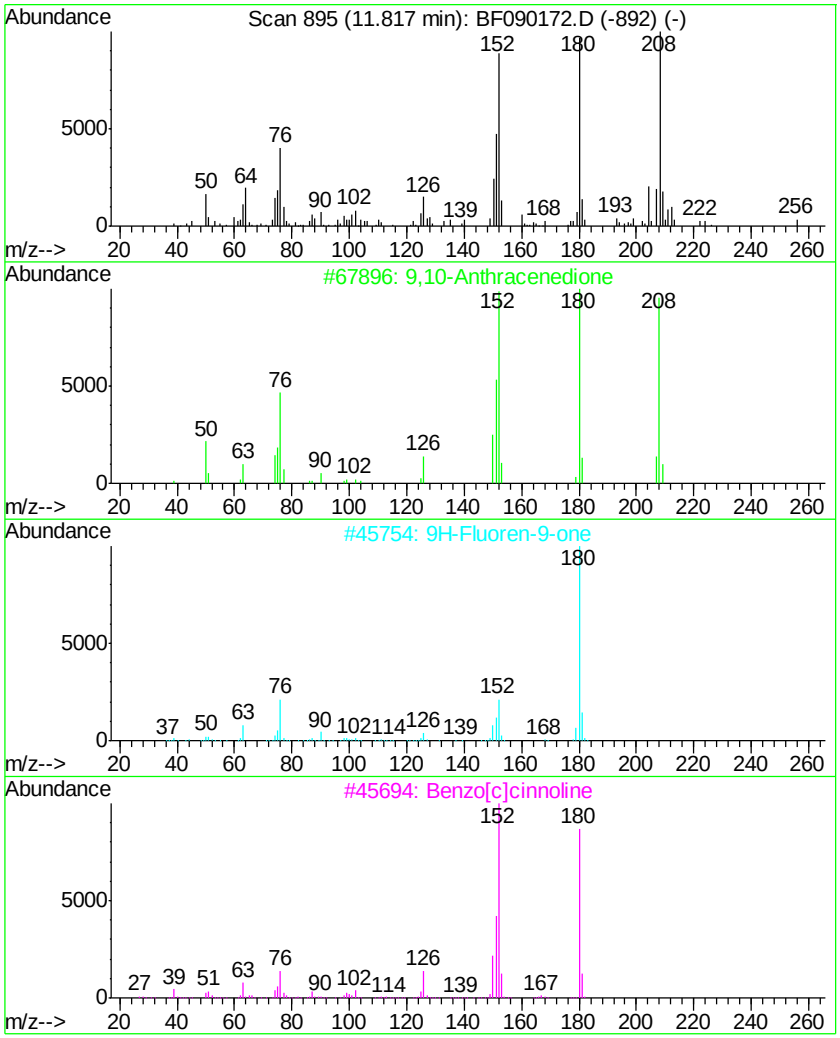
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

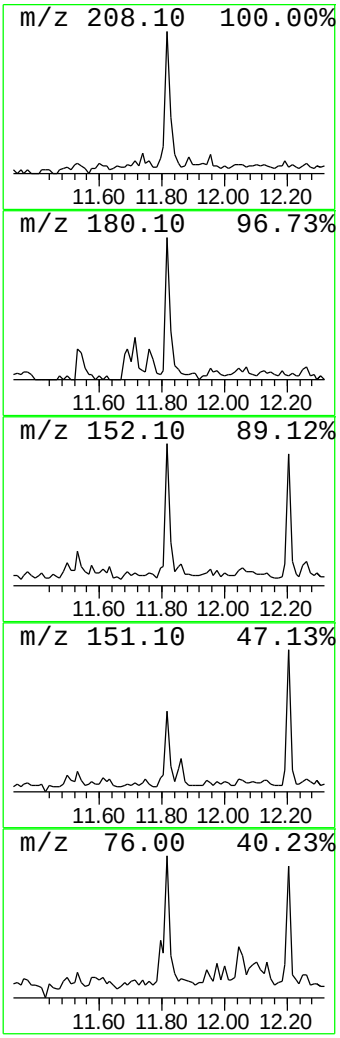
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.89 ng	200051	Phenanthrene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	55





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Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

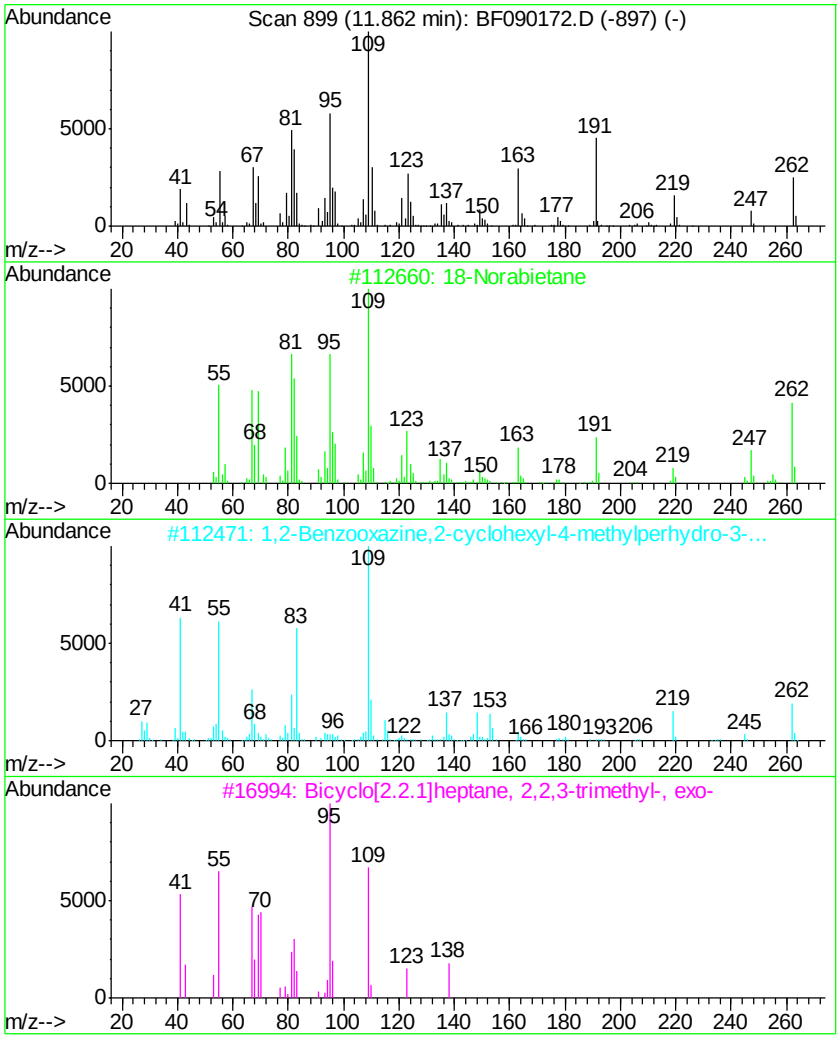
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

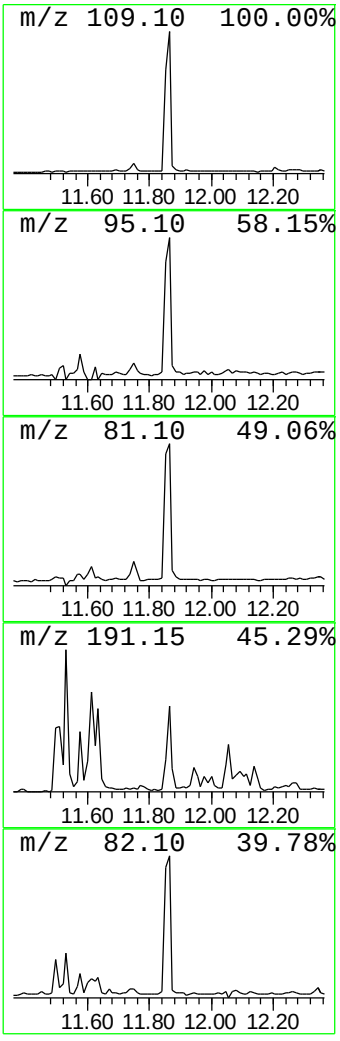
****

Peak Number 11 18-Norabietane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	8.37 ng	578820	Phenanthrene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	91
2	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	38
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	22
4	3,5-Dimethyl-1-hexylpyrazole	180	C11H20N2	024475-41-0	22
5	Pyrazol-4-amine, 1-(4-fluorobenz...	219	C12H14FN3	1000272-83-8	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

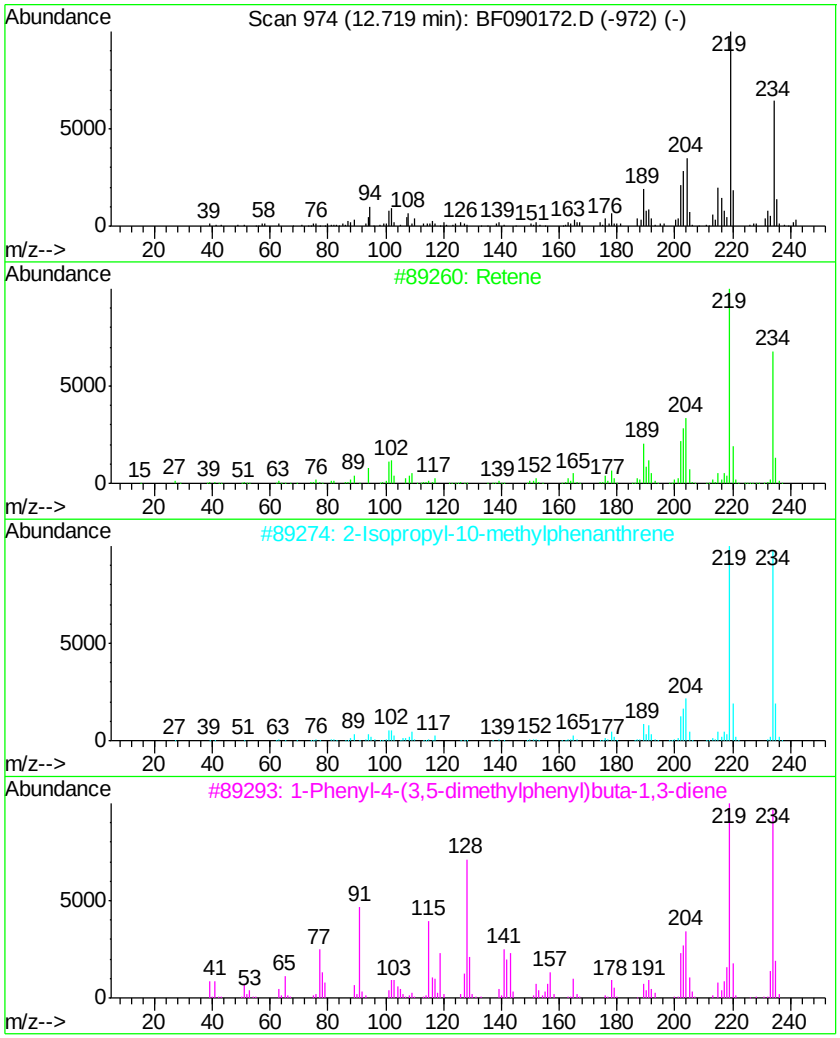
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

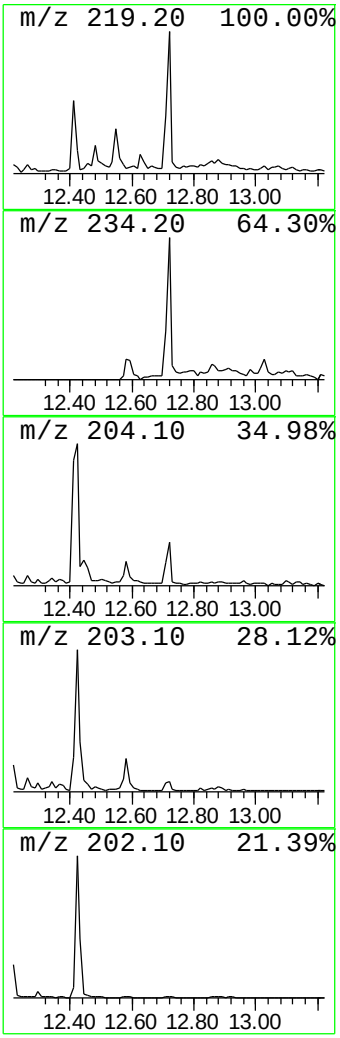
****

Peak Number 12 Retene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	2.36 ng	249885	Chrysene-d12	13.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
3	1-Phenyl-4-(3,5-dimethylphenyl)b...	234	C18H18	1000202-15-0	64
4	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	58
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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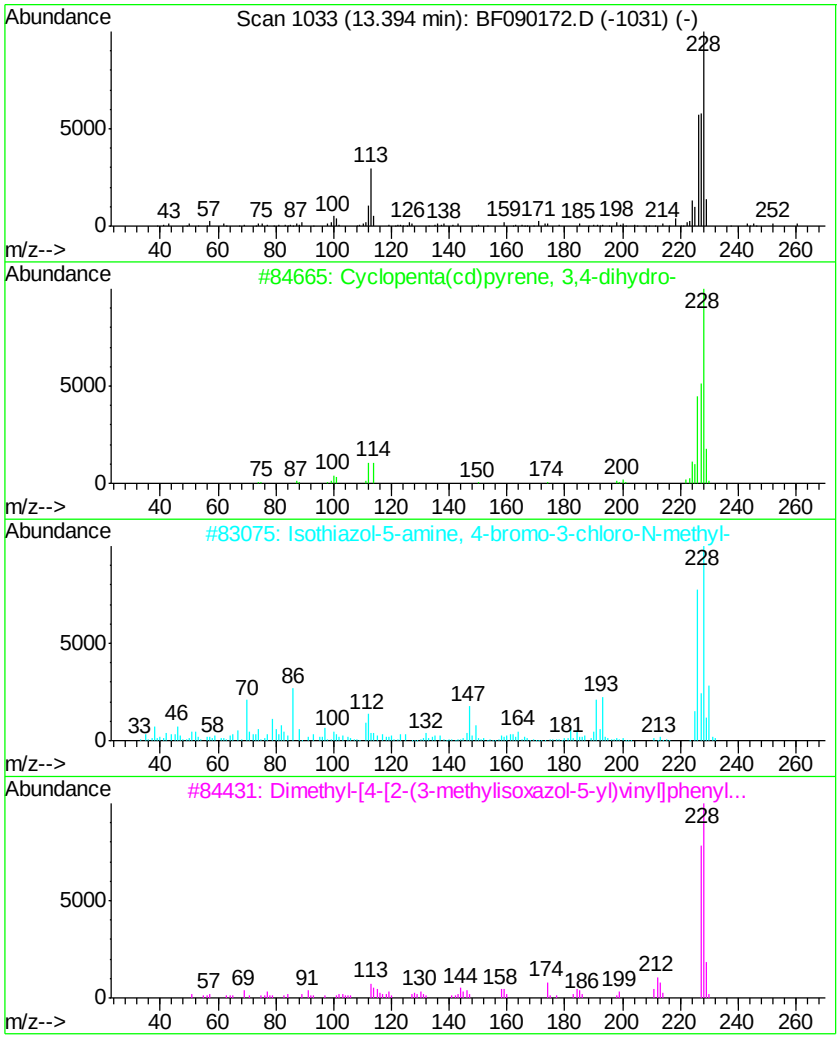
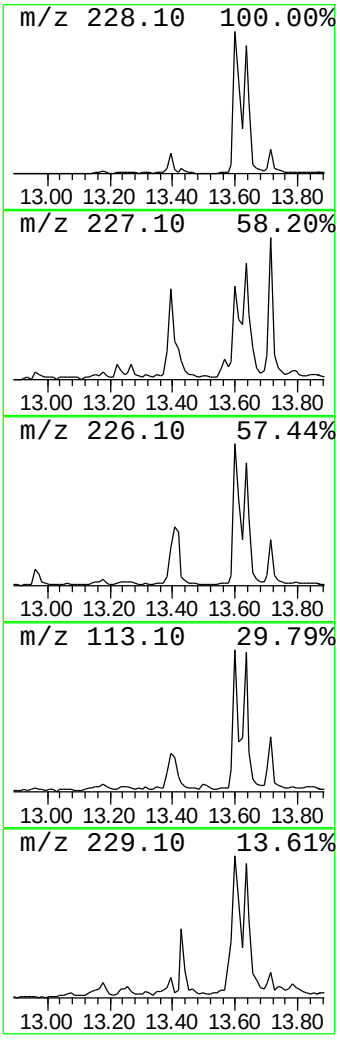
Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.46 ng	260333	Chrysene-d12	13.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
5	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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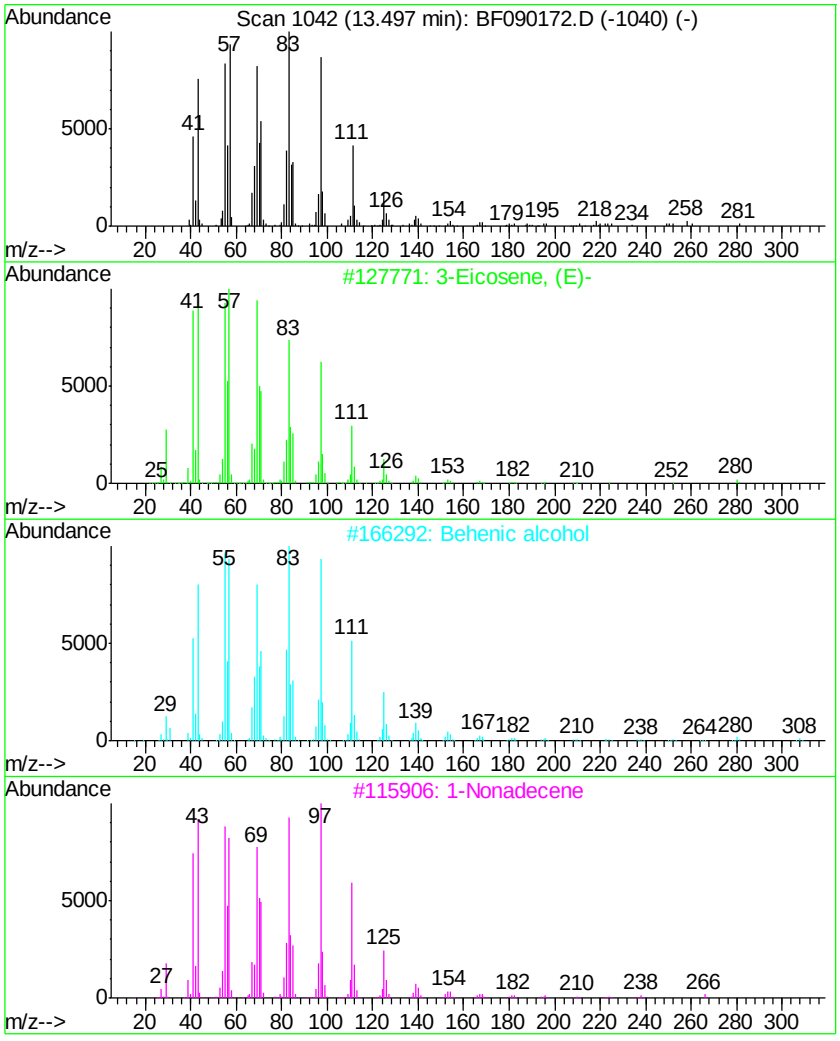
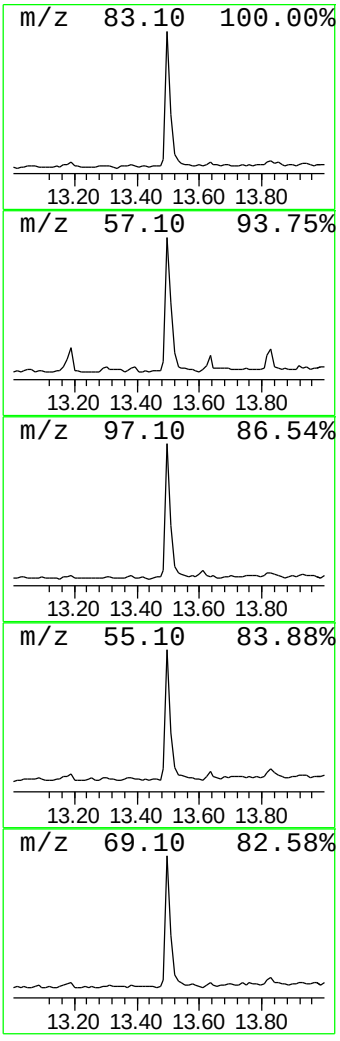
Peak Number 14 3-Eicosene, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.40 ng	359150	Chrysene-d12	13.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
2	Behenic alcohol	326	C22H46O	000661-19-8	91
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	1-Heneicosanol	312	C21H44O	015594-90-8	91
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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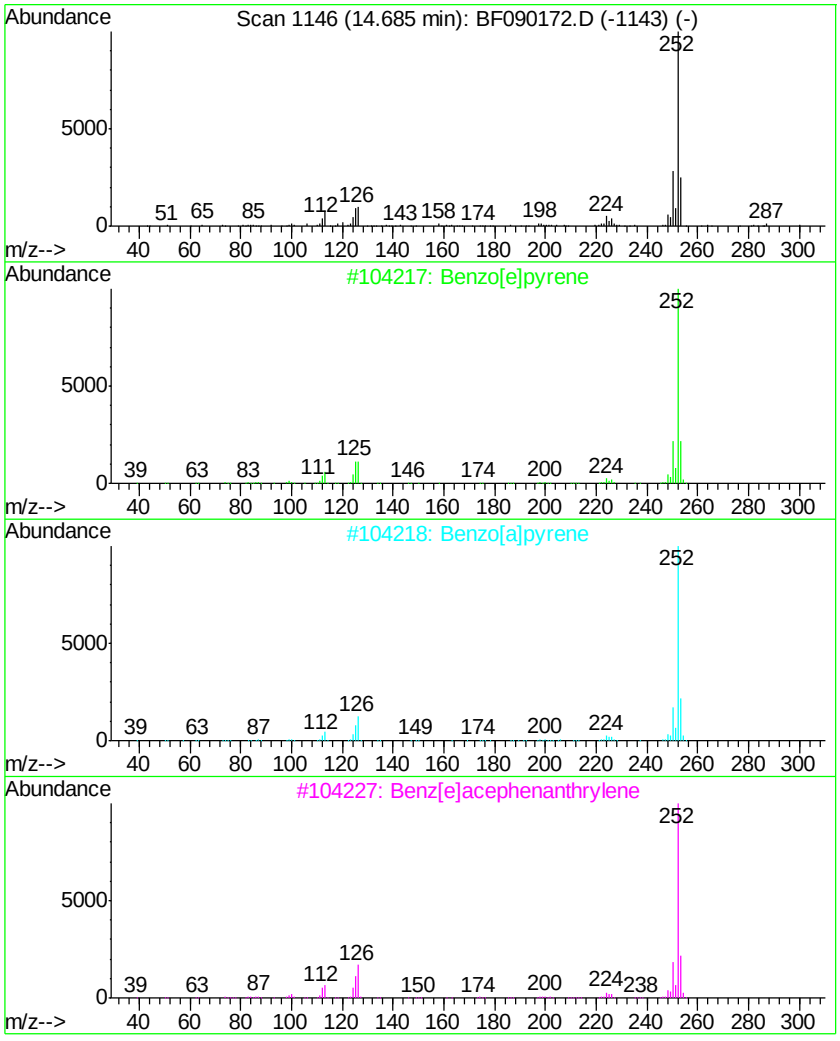
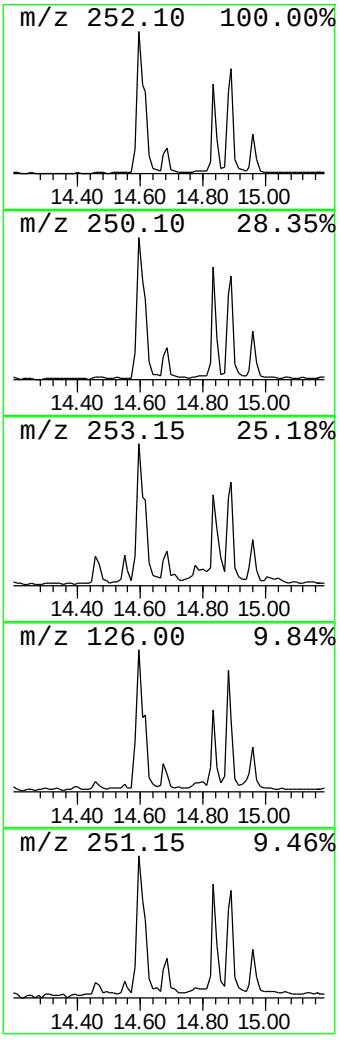
Peak Number 15 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.40 ng	143482	Perylene-d12	14.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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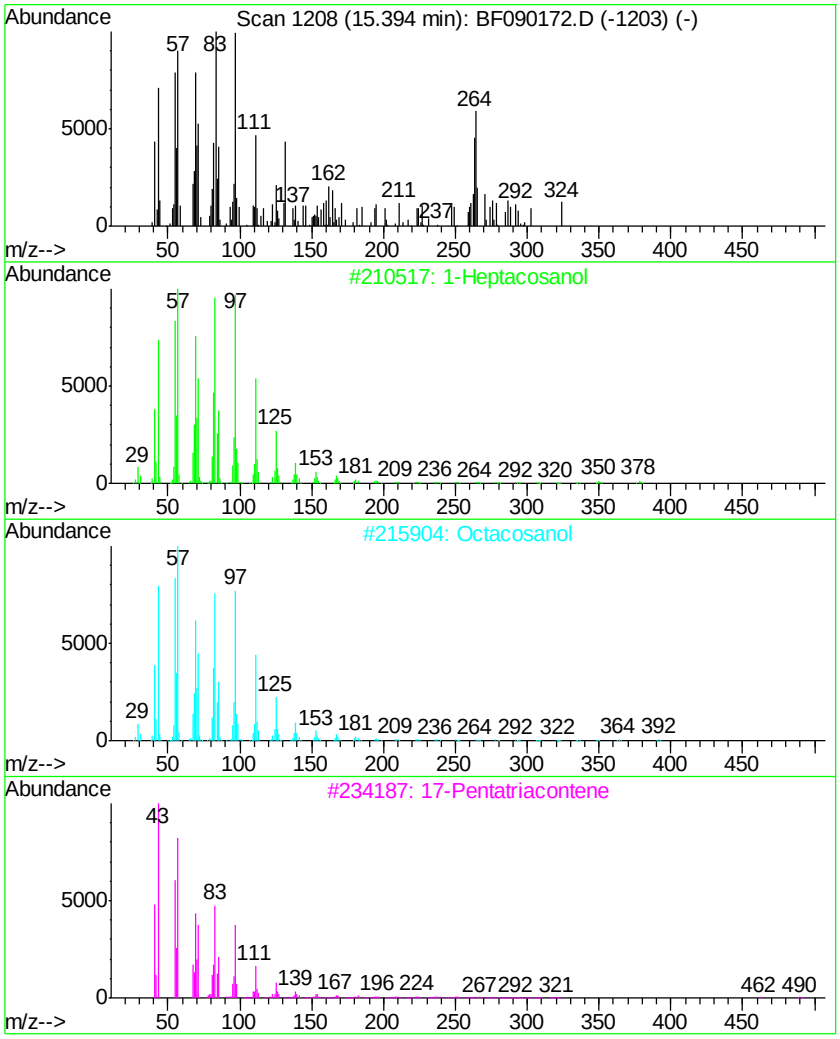
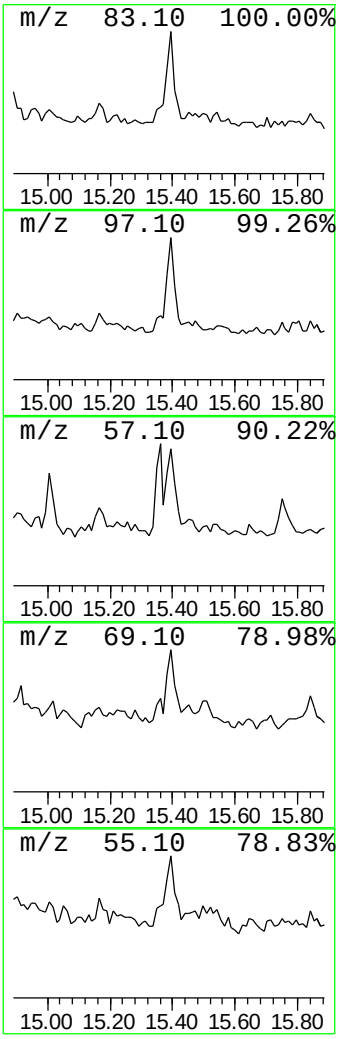
Peak Number 17 1-Heptacosanol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	2.50 ng	149962	Perylene-d12	14.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	91
2	Octacosanol	410	C28H58O	000557-61-9	64
3	17-Pentatriacontene	491	C35H70	006971-40-0	64
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	60
5	Cyclohexadecane	224	C16H32	000295-65-8	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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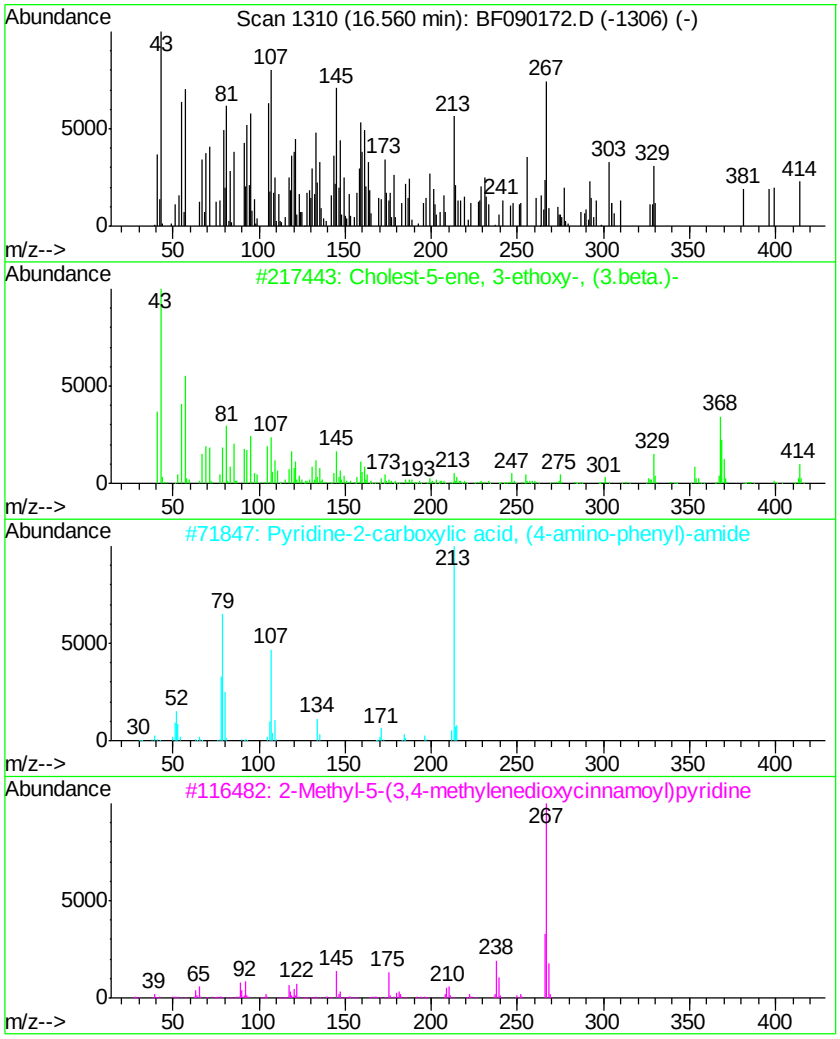
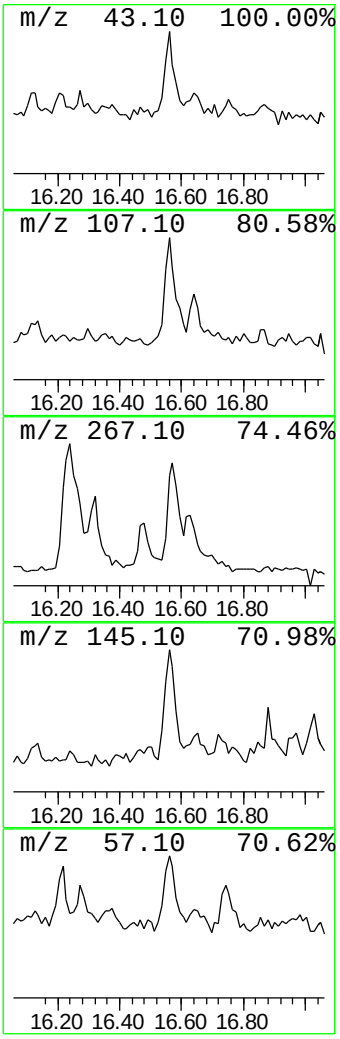
Peak Number 18 unknown16.56 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	3.69 ng	221229	Perylene-d12	14.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	25
2	Pyridine-2-carboxylic acid, (4-a...	213	C12H11N3O	1000317-78-7	15
3	2-Methyl-5-(3,4-methylenedioxyci...	267	C16H13NO3	094298-70-1	11
4	Furan-2-carboxylic acid (2,2-dif...	267	C12H7F2NO4	1000301-03-0	11
5	7H-Dibenzo[c,g]carbazole	267	C20H13N	000194-59-2	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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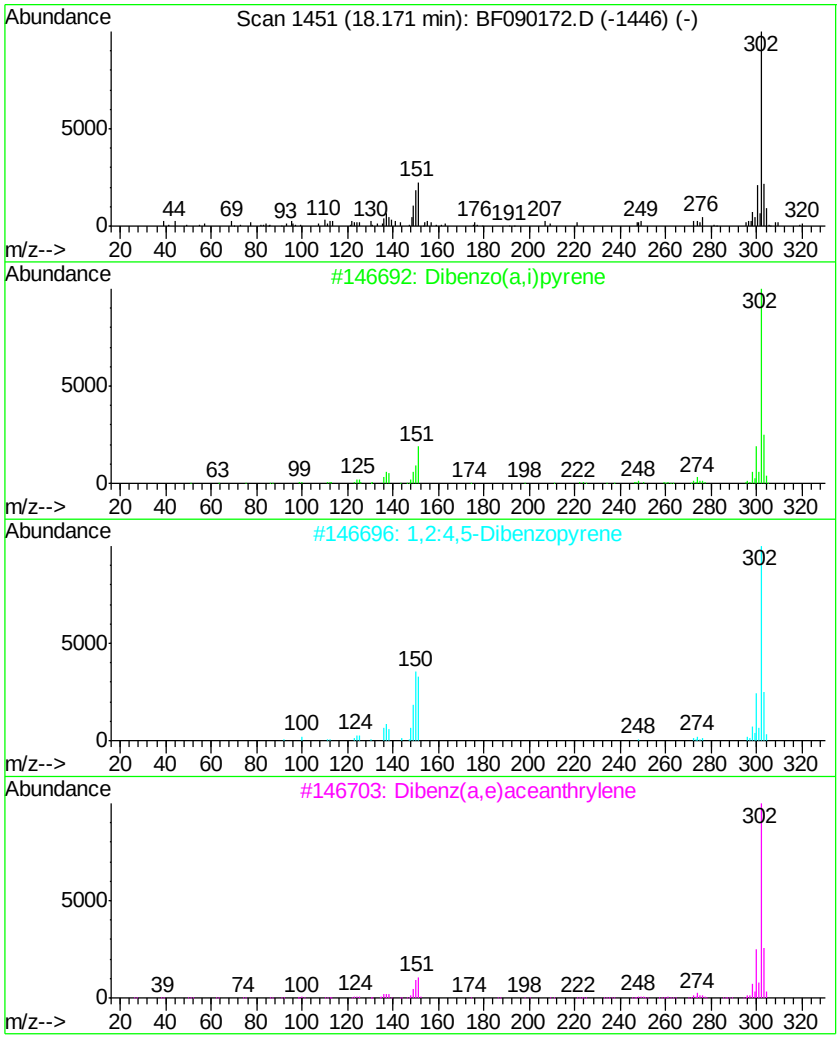
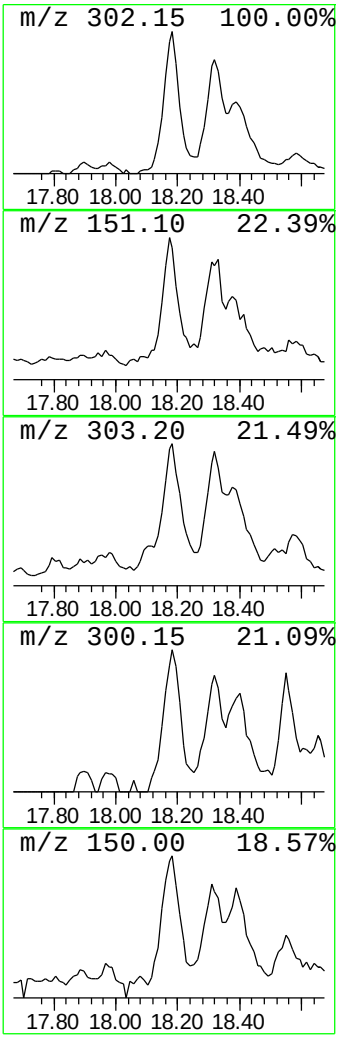
Peak Number 20 Dibenzo(a,i)pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.91 ng	174188	Perylene-d12	14.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	96
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	94
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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
2-Pentanone, 4-hy...	4.60	16.7	ng	714353	1	6.50	854095	20.0
unknown6.27	6.27	76.9	ng	3284340	1	6.50	854095	20.0
Hexadecane	10.47	2.5	ng	176035	4	11.01	1383880	20.0
Phenanthrene, 2-m...	11.50	3.0	ng	204423	4	11.01	1383880	20.0
Anthracene, 1-met...	11.53	2.6	ng	180301	4	11.01	1383880	20.0
4H-Cyclopenta[def...	11.61	6.1	ng	424213	4	11.01	1383880	20.0
9,10-Anthracenedione	11.82	2.9	ng	200051	4	11.01	1383880	20.0
18-Norabietane	11.86	8.4	ng	578820	4	11.01	1383880	20.0
Retene	12.72	2.4	ng	249885	5	13.61	2113470	20.0
Cyclopenta(cd)pyr...	13.39	2.5	ng	260333	5	13.61	2113470	20.0
3-Eicosene, (E)-	13.50	3.4	ng	359150	5	13.61	2113470	20.0
Benzo[e]pyrene	14.69	2.4	ng	143482	6	14.94	1197990	20.0
1-Heptacosanol	15.39	2.5	ng	149962	6	14.94	1197990	20.0
unknown16.56	16.56	3.7	ng	221229	6	14.94	1197990	20.0
Dibenzo(a,i)pyrene	18.17	2.9	ng	174188	6	14.94	1197990	20.0