LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

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-BF050916.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	1.736	11	13	40	rVB	2255446	4880610	100.00%	9.452%
2	4.730	273	275	289	rBV	571871	874599	17.92%	1.694%
3	5.199	313	316	331	rBV	3627001	3875200	79.40%	7.505%
4	5.599	349	351	357	rVB	58001	74697	1.53%	0.145%
5	6.273	408	410	413	rBV	2966577	3619986	74.17%	7.010%
6	6.376	417	419	422	rBV	3424007	3535090	72.43%	6.846%
7	6.605	437	439	441	rBV	1138693	1025814	21.02%	1.987%
8	6.765	450	453	455	rBV	2535255	2934747	60.13%	5.683%
9	7.176	486	489	492	rBV	2033634	2326222	47.66%	4.505%
10	7.313	499	501	506	rVB	53320	71144	1.46%	0.138%
11	7.896	549	552	554	rBV	1205759	1257499	25.77%	2.435%
12	8.971	643	646	649	rBV	3242116	3443197	70.55%	6.668%
13	9.371	679	681	684	rBV	329143	308170	6.31%	0.597%
14	9.508	688	693	695	rBV	45587	68536	1.40%	0.133%
15	9.588	698	700	702	rBV	85715	72544	1.49%	0.140%
16	9.645	702	705	706	rBV	1107424	1190273	24.39%	2.305%
17	9.668	706	707	710	rVB	69971	82276	1.69%	0.159%
18	10.056	737	741	742	rBV	40245	54934	1.13%	0.106%
19	10.079	742	743	745	rVB	90235	108282	2.22%	0.210%
20	10.182	751	752	756	rVB	64680	73896	1.51%	0.143%
21	10.296	759	762	765	rBV2	45652	83437	1.71%	0.162%
22	10.434	771	774	776	rBV	1908571	1979761	40.56%	3.834%
23	10.559	783	785	788	rBV	142760	200689	4.11%	0.389%
24	10.742	798	801	806	rVB2	29252	78353	1.61%	0.152%
25	10.971	820	821	822	rBV	50868	63369	1.30%	0.123%
26	11.005	822	824	829	rVB2	100026	199174	4.08%	0.386%
27	11.119	831	834	835	rBV	1187007	1103645	22.61%	2.137%
28	11.142	835	836	838	rVV	1284033	968661	19.85%	1.876%
29	11.199	838	841	843	rVB	157484	241775	4.95%	0.468%
30	11.359	852	855	859	rBV	73162	161628	3.31%	0.313%
31	11.428	859	861	862	rVV2	74415	96192	1.97%	0.186%
32	11.451	862	863	866	rVB3	29759	56319	1.15%	0.109%
33	11.531	866	870	871	rBV4	27803	49545	1.02%	0.096%
34	11.622	875	878	879	rVV	159232	171056	3.50%	0.331%

LSC Area Percent Report

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Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.645	879	880	883	rVV2	225339	301214	6.17%	0.583%
36	11.725	886	887	893	rVB2	233584	389417	7.98%	0.754%
37	11.828	893	896	900	rBV4	42811	113829	2.33%	0.220%
38	11.919	901	904	905	rVV	101937	137634	2.82%	0.267%
39	11.942	905	906	909	rVB	91019	95348	1.95%	0.185%
40	12.068	914	917	918	rBV	46583	78800	1.61%	0.153%
41	12.171	923	926	927	rBV	102353	127911	2.62%	0.248%
42	12.205	927	929	932	rVB2	61288	113908	2.33%	0.221%
43	12.251	932	933	935	rBV2	110744	122451	2.51%	0.237%
44	12.331	937	940	942	rBV	1353646	1546632	31.69%	2.995%
45	12.468	949	952	956	rBV4	71750	116058	2.38%	0.225%
46	12.548	956	959	962	rBV2	1116641	1546485	31.69%	2.995%
47	12.605	962	964	967	rVB2	78112	116581	2.39%	0.226%
48	12.674	968	970	971	rBV	95143	132500	2.71%	0.257%
49	12.708	971	973	975	rVV	2666339	2872878	58.86%	5.564%
50	12.777	975	979	981	rVB2	94660	123373	2.53%	0.239%
51	12.879	984	988	990	rVB2	172248	323934	6.64%	0.627%
52	12.948	990	994	995	rBV	115924	168251	3.45%	0.326%
53	12.982	995	997	1001	rVV2	179854	244252	5.00%	0.473%
54	13.074	1004	1005	1006	rVV	89244	63568	1.30%	0.123%
55	13.108	1006	1008	1011	rVV2	108308	105186	2.16%	0.204%
56	13.394	1030	1033	1035	rBV	181171	183523	3.76%	0.355%
57	13.497	1039	1042	1043	rBV	168317	193026	3.95%	0.374%
58	13.622	1050	1053	1060	rVB3	329640	787685	16.14%	1.525%
59	13.748	1061	1064	1071	rVV2	1180993	2396742	49.11%	4.641%
60	13.851	1071	1073	1074	rVB	100009	93855	1.92%	0.182%
61	14.102	1093	1095	1096	rBV	44865	68498	1.40%	0.133%
62	14.137	1096	1098	1099	rVV	133903	138709	2.84%	0.269%
63	14.171	1099	1101	1102	rVB	42865	49976	1.02%	0.097%
64	14.262	1107	1109	1114	rVV4	64525	161807	3.32%	0.313%
65	14.594	1135	1138	1142	rBV2	131631	281339	5.76%	0.545%
66	14.743	1148	1151	1155	rBV	563531	995281	20.39%	1.927%
67	15.005	1172	1174	1176	rVV	231956	266362	5.46%	0.516%
68	15.051	1176	1178	1181	rVV	294448	432557	8.86%	0.838%
69	15.108	1181	1183	1190	rVB2	568770	904252	18.53%	1.751%
70	16.354	1290	1292	1295	rBV	133116	237483	4.87%	0.460%
71	16.731	1322	1325	1333	rVB	120746	275260	5.64%	0.533%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 51637885

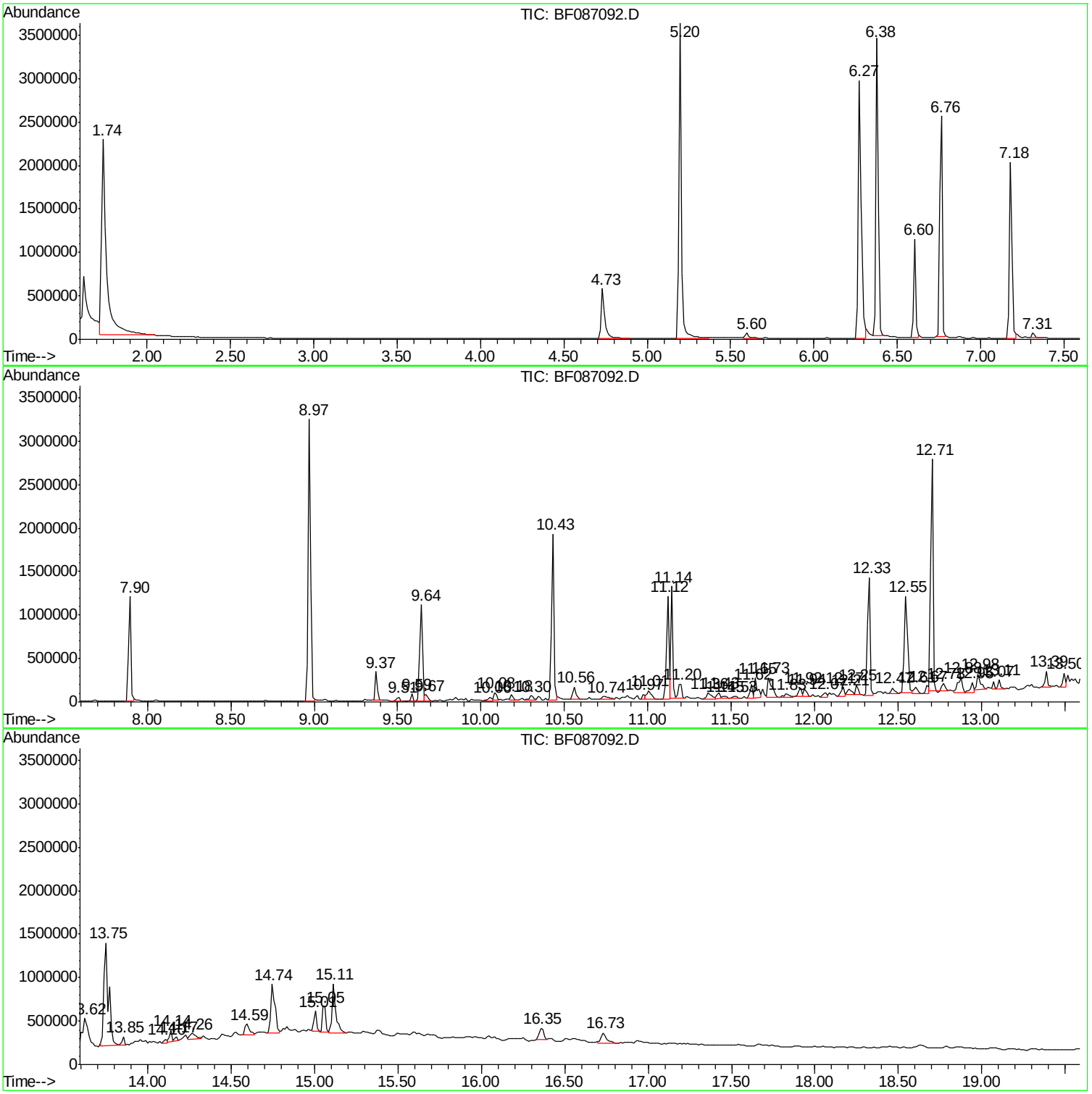
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

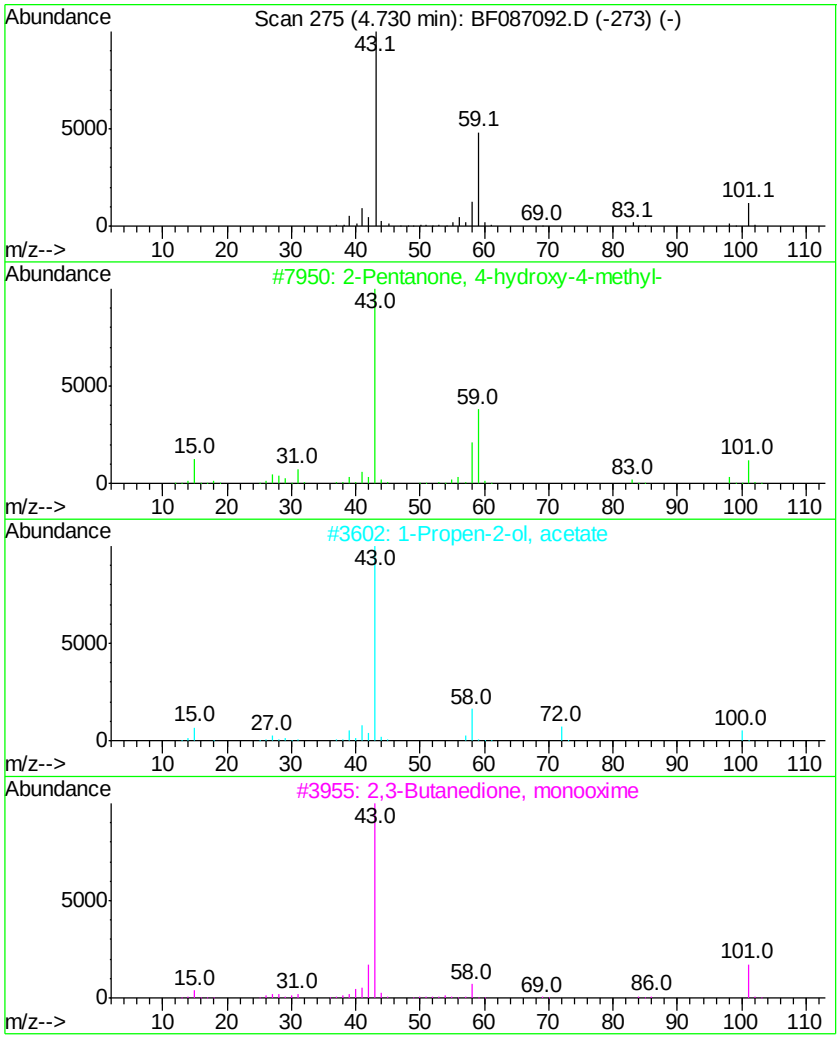
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

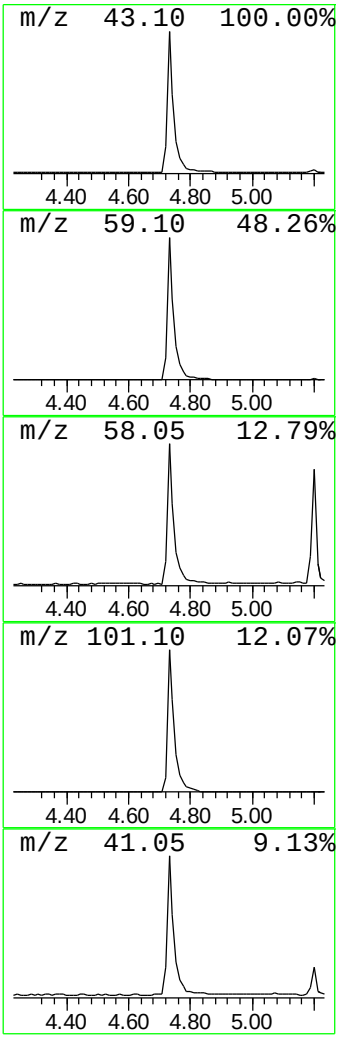
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	17.05 ng	874599	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	dl-4-Amino-3-hydroxybutyric acid	119	C4H9NO3	000352-21-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

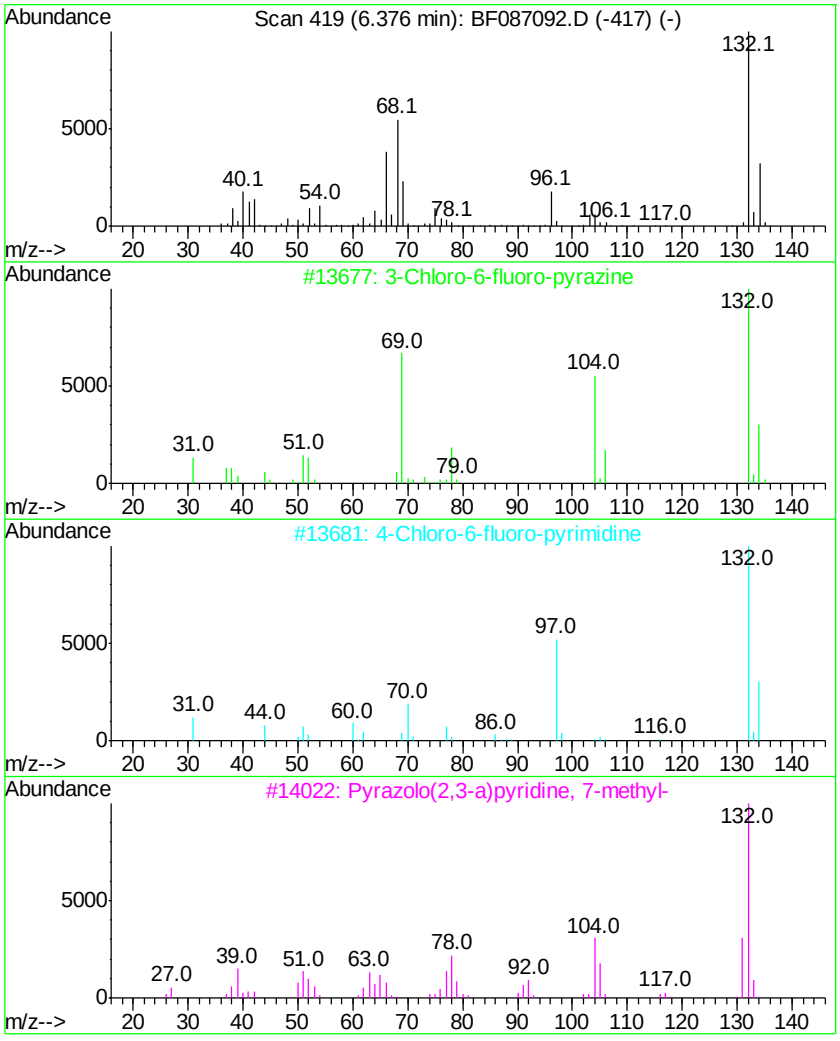
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

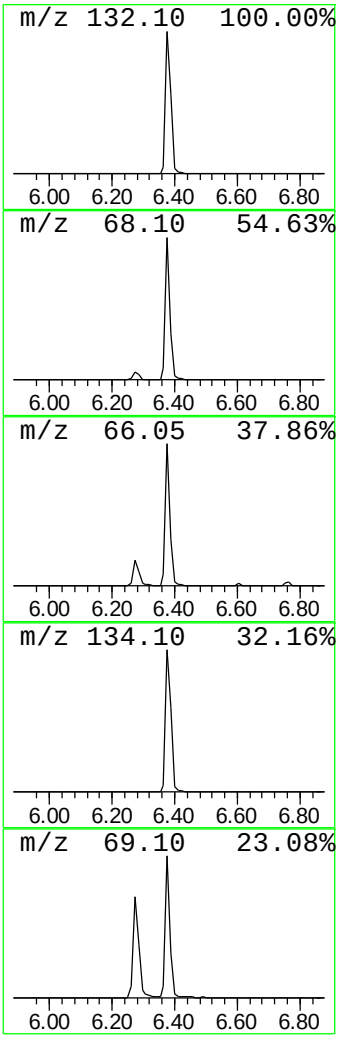
****

Peak Number 3 unknown6.38 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	68.92 ng	3535090	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

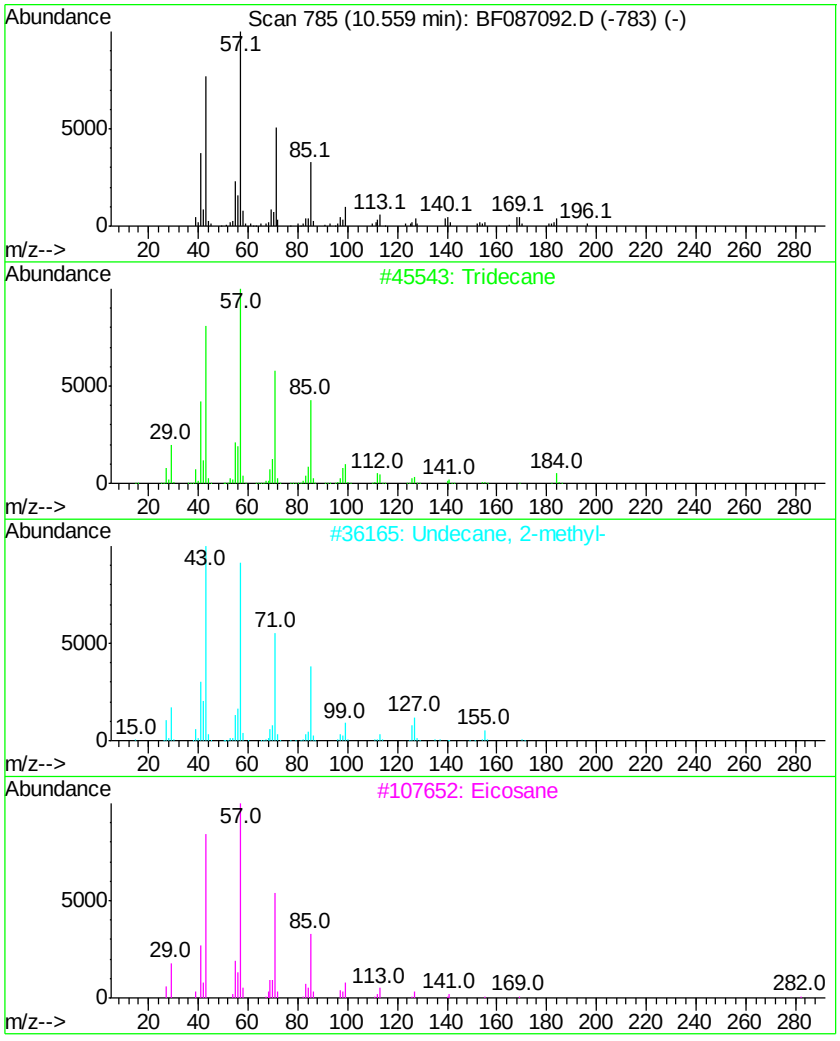
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

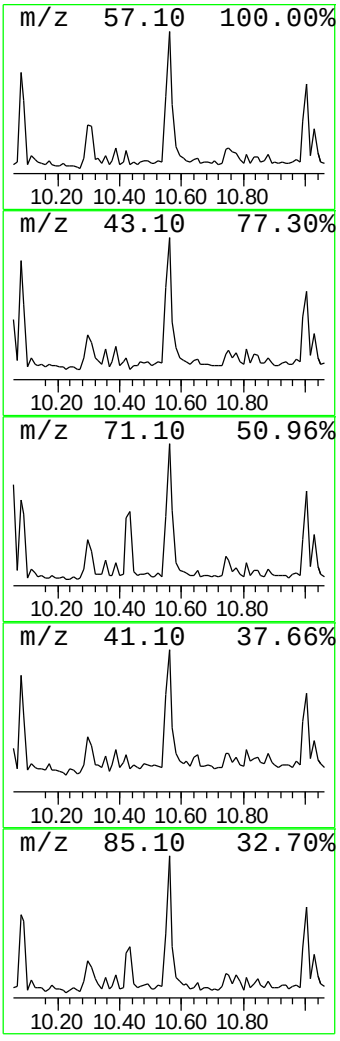
****

Peak Number 5 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	3.64 ng	200689	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	81
3	Eicosane	282	C20H42	000112-95-8	76
4	Heptadecane	240	C17H36	000629-78-7	72
5	5-Ethyldecane	170	C12H26	017302-36-2	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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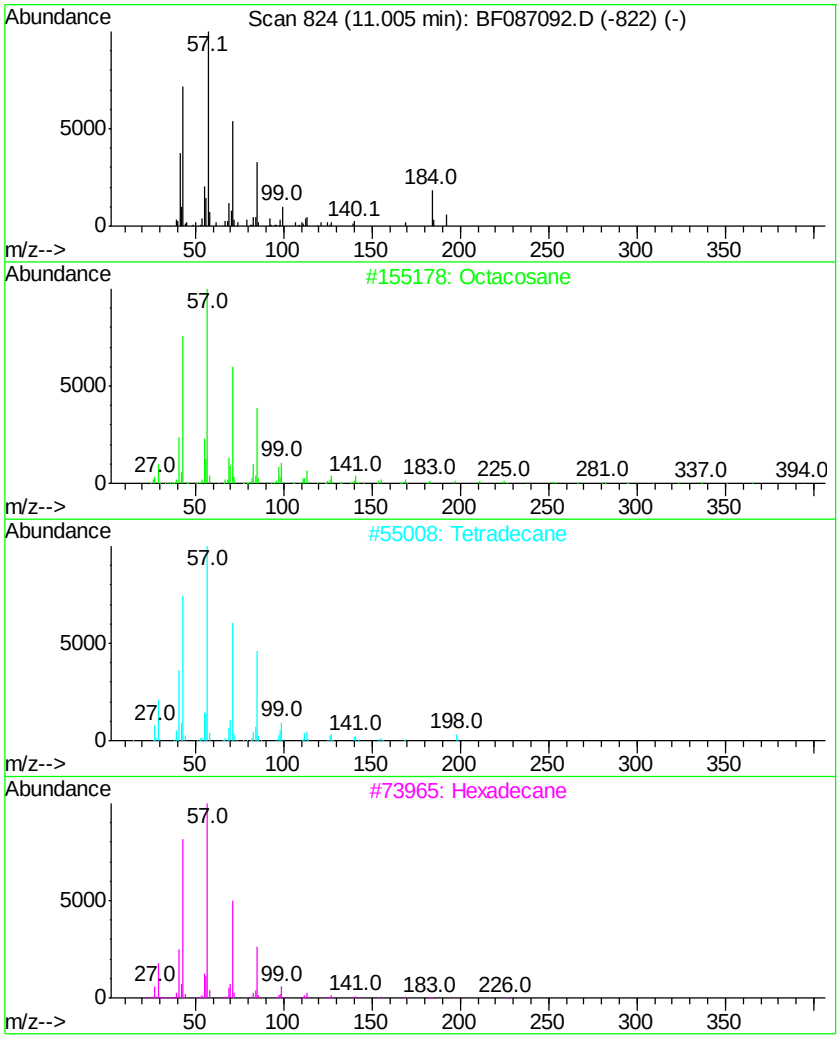
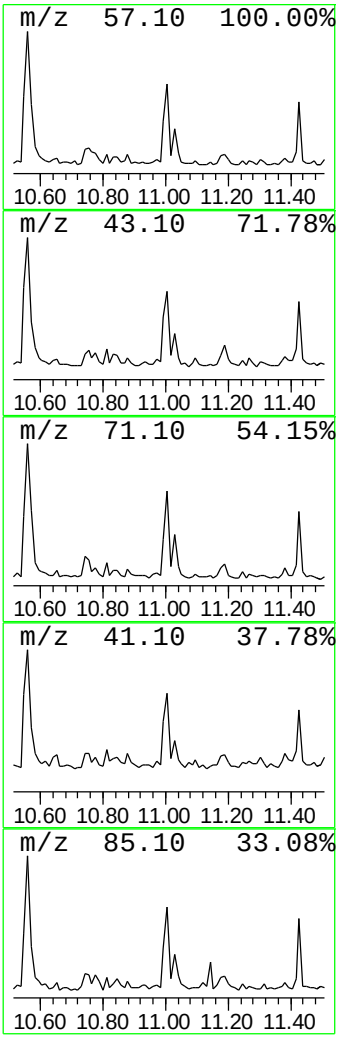
Peak Number 6 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	3.61 ng	199174	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	72
2	Tetradecane	198	C14H30	000629-59-4	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Eicosane	282	C20H42	000112-95-8	72
5	Tetracosane	338	C24H50	000646-31-1	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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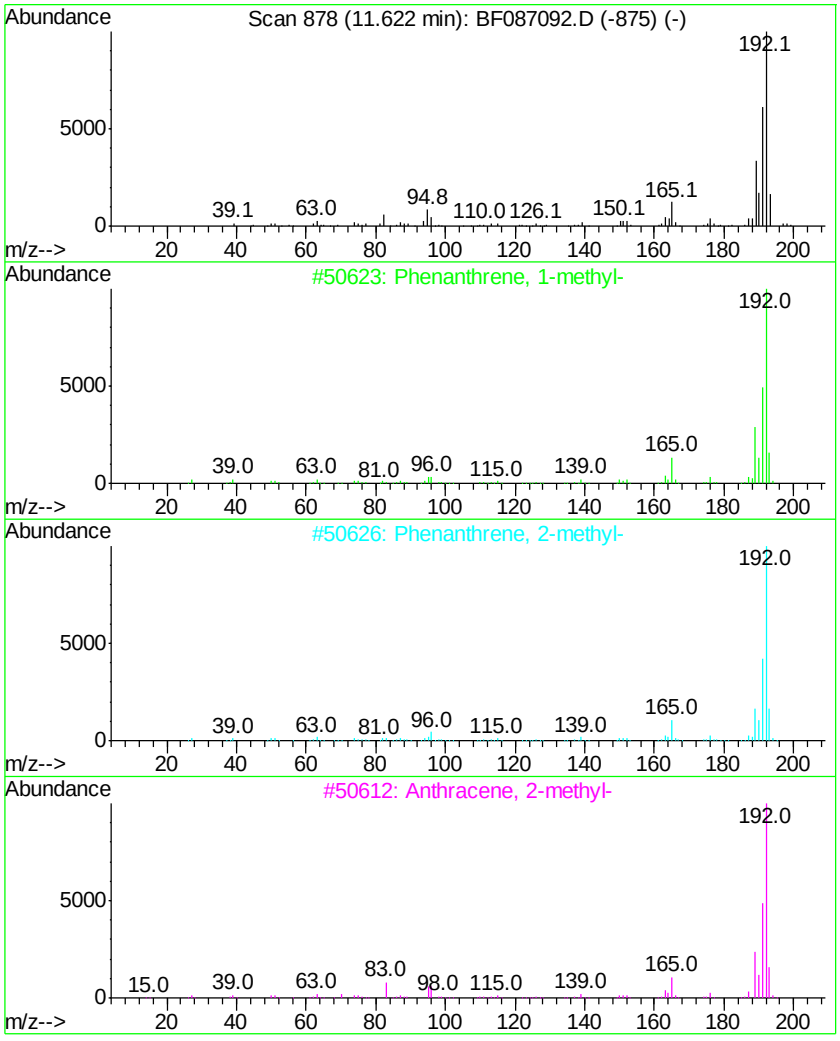
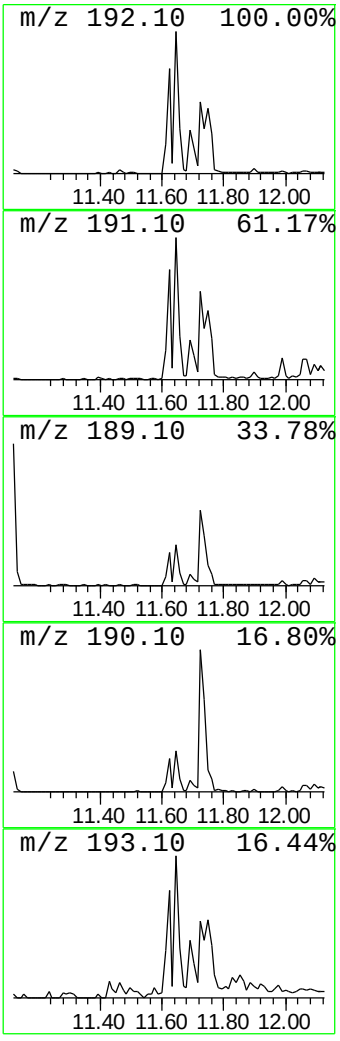
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.10 ng	171056	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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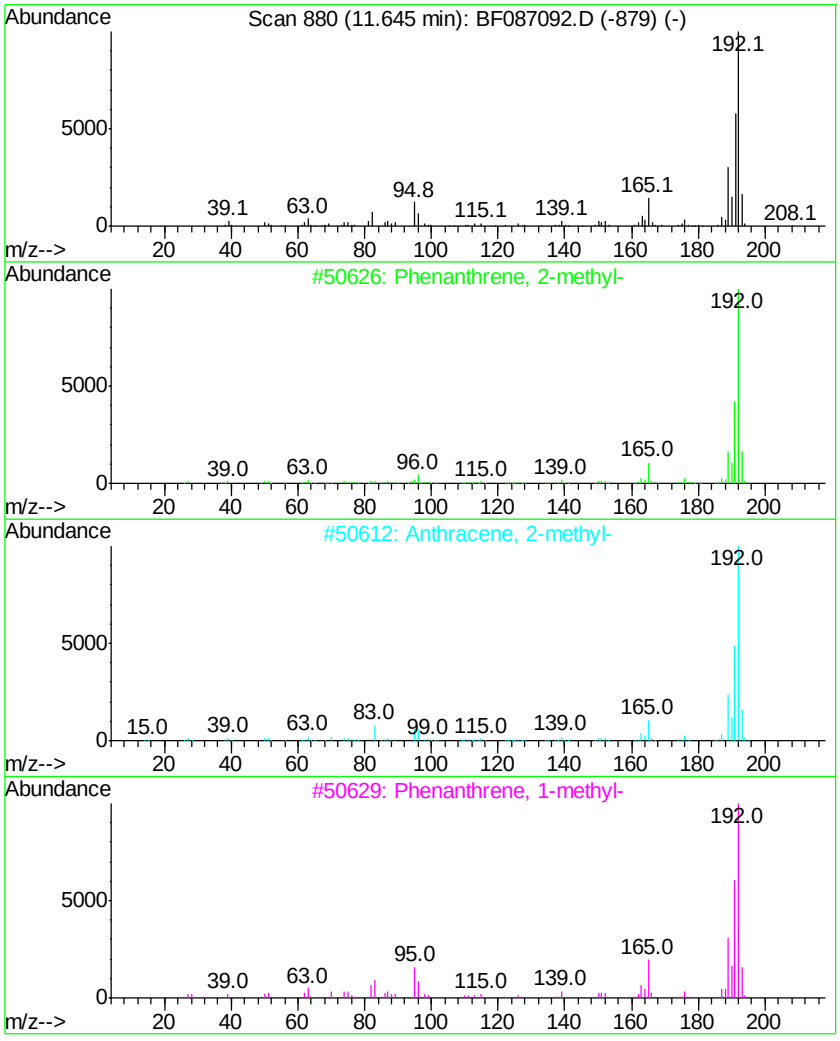
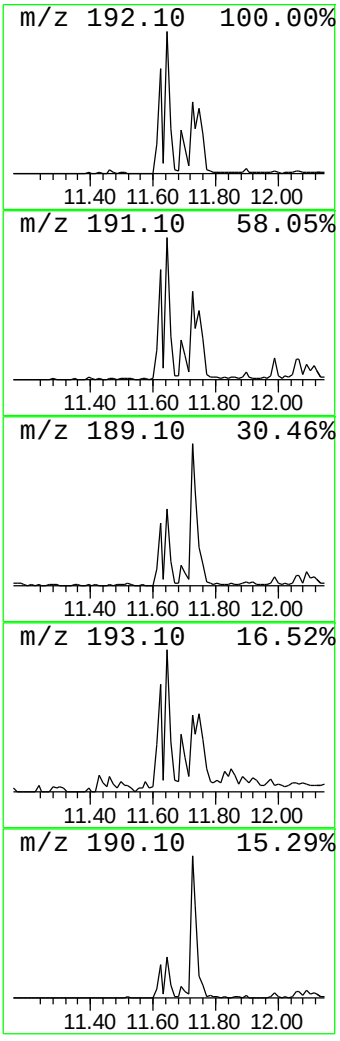
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	5.46 ng	301214	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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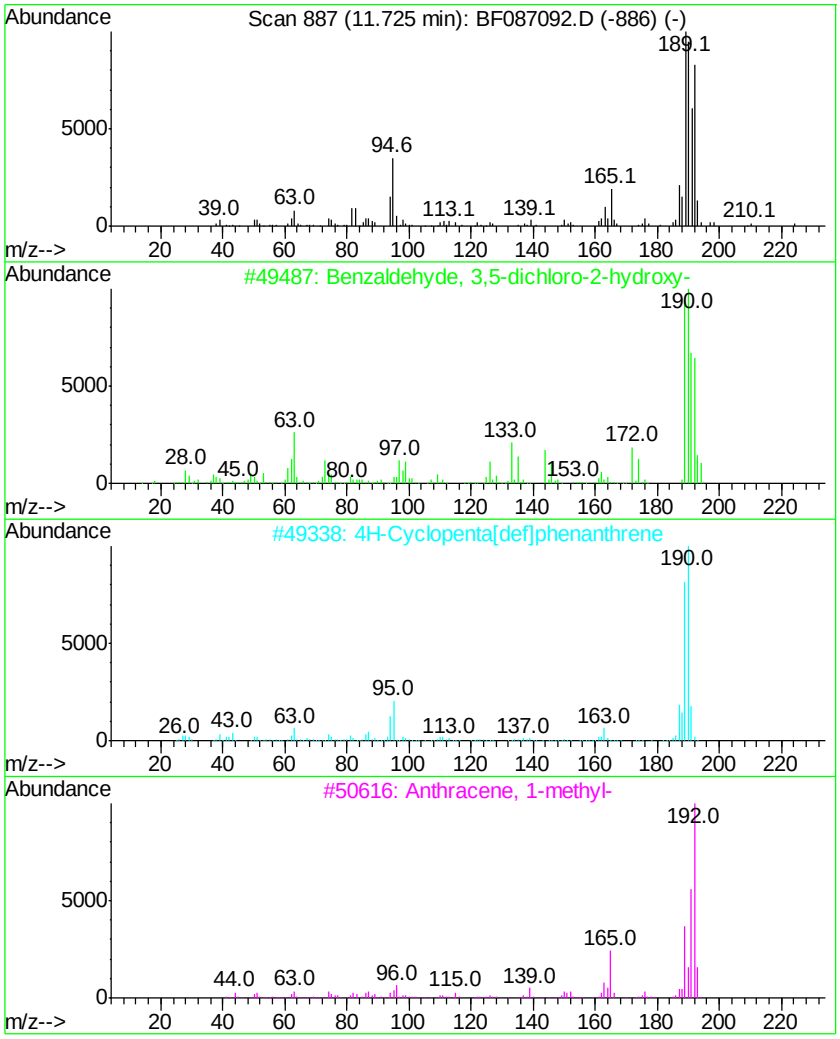
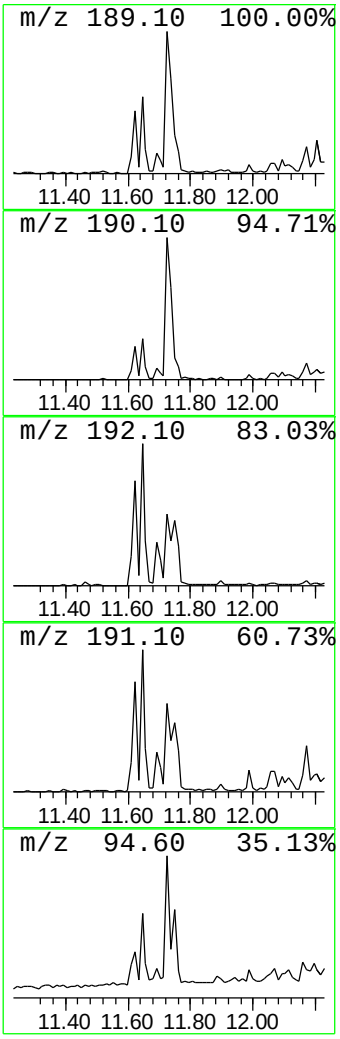
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	7.06 ng	389417	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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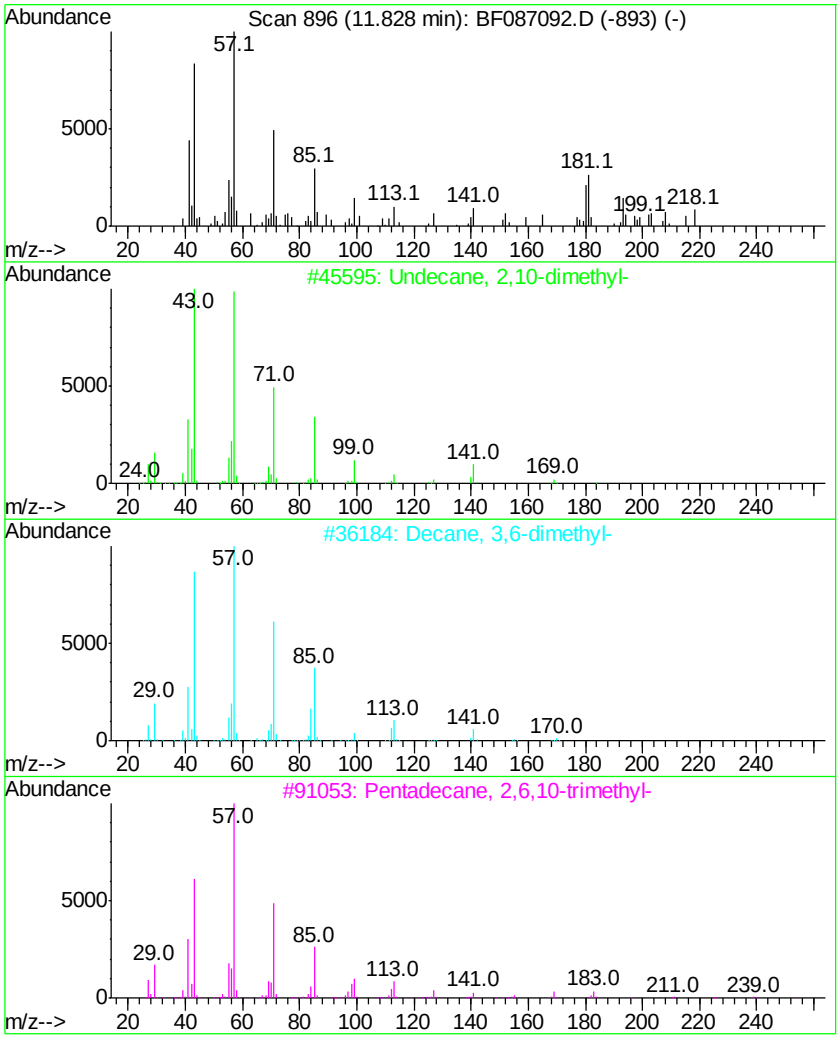
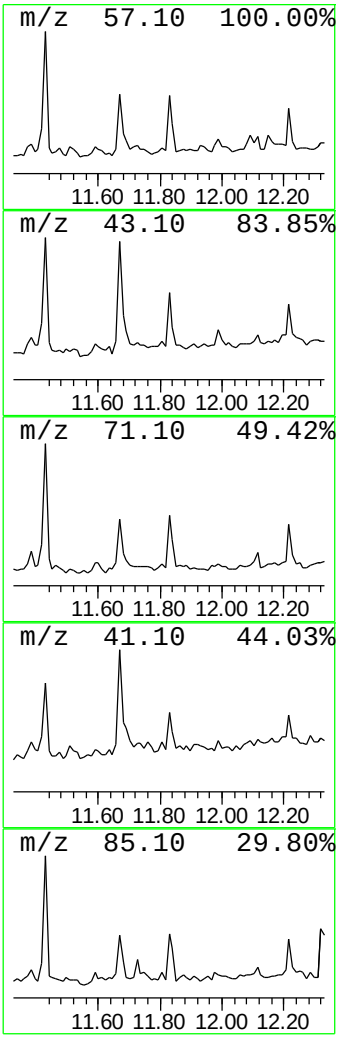
Peak Number 11 unknown11.83 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.06 ng	113829	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	43
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	43
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	43
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	38
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	38





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Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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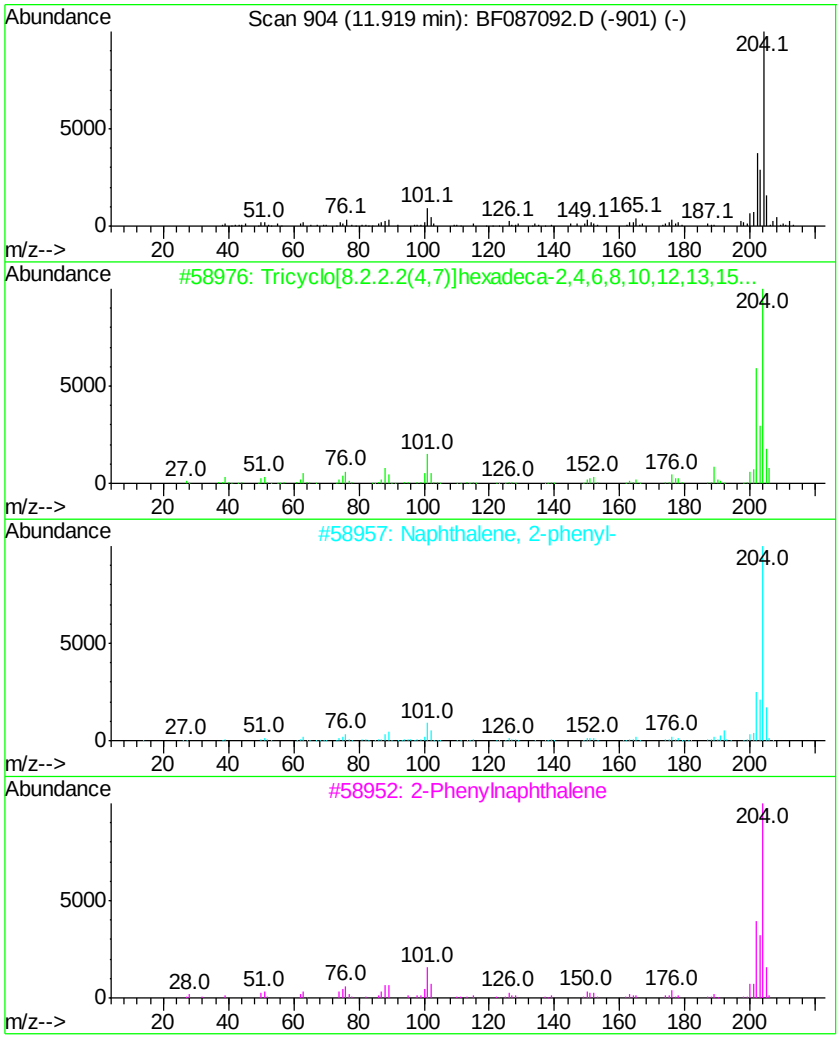
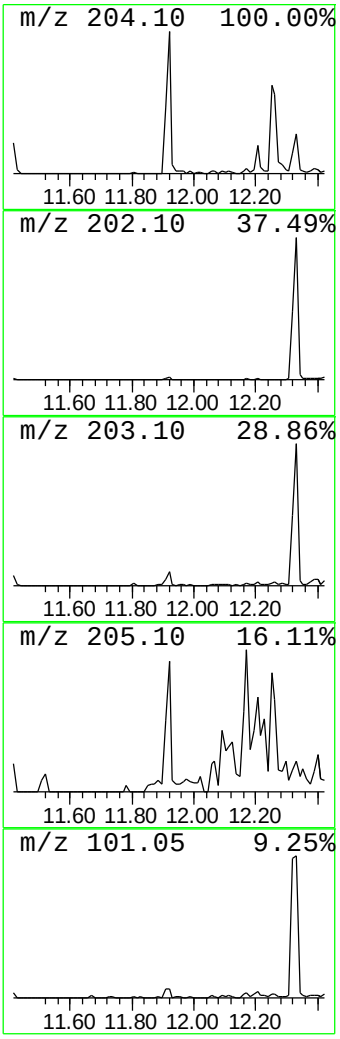
Peak Number 12 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.49 ng	137634	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	52
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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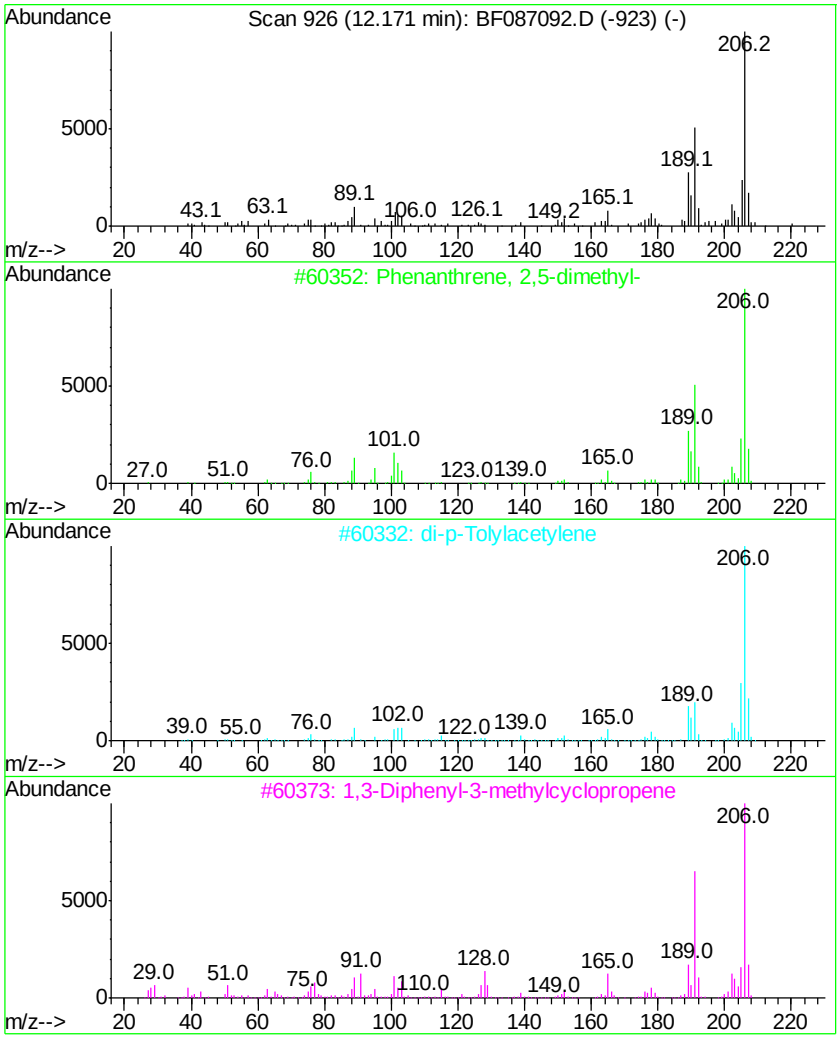
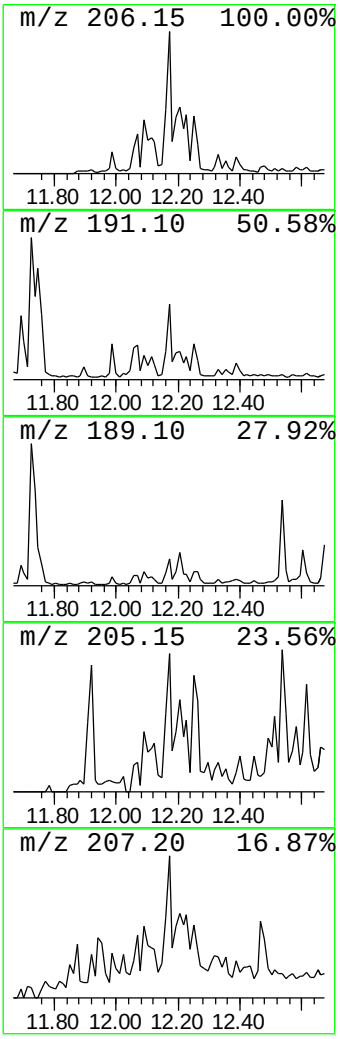
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.32 ng	127911	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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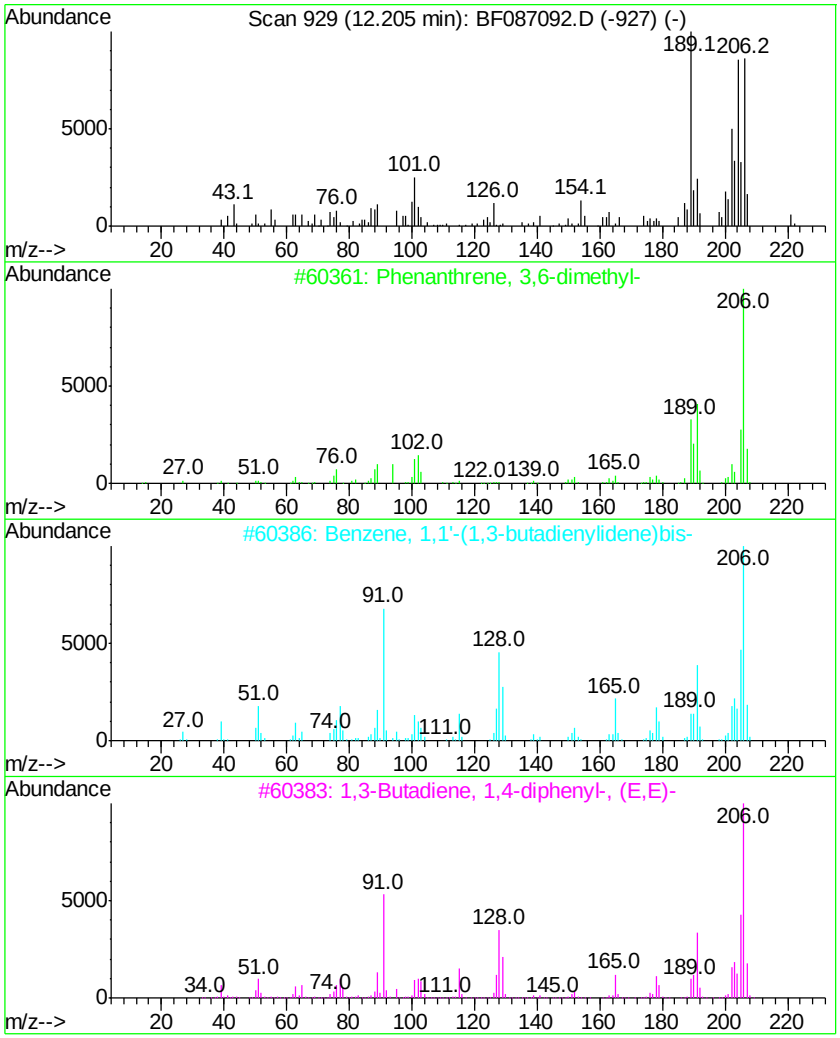
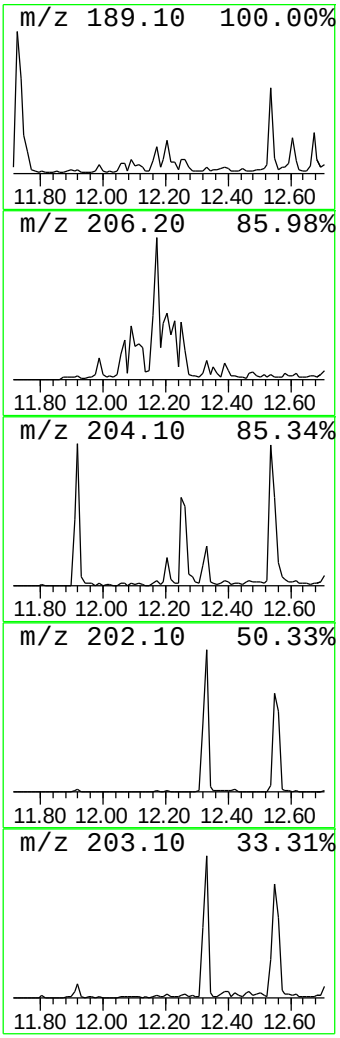
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.06 ng	113908	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38





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Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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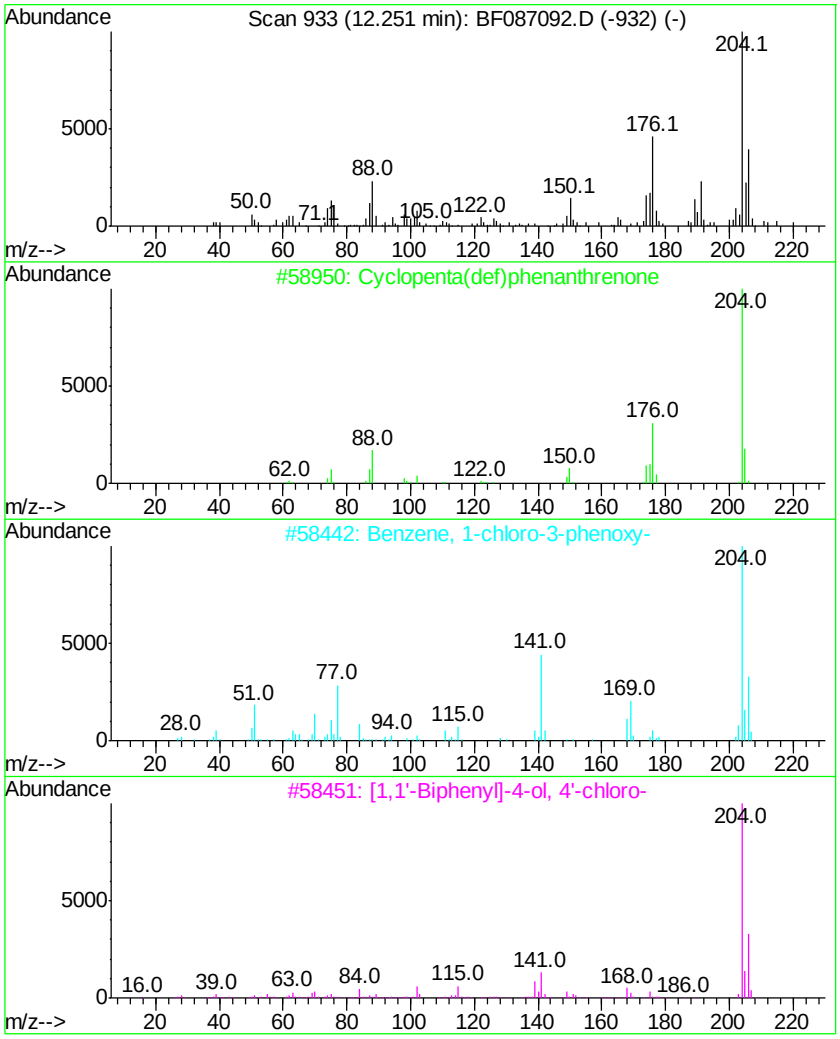
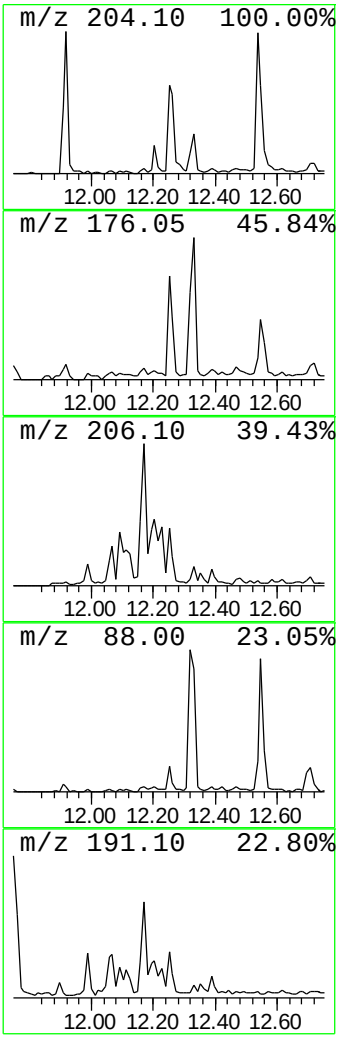
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.22 ng	122451	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43





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Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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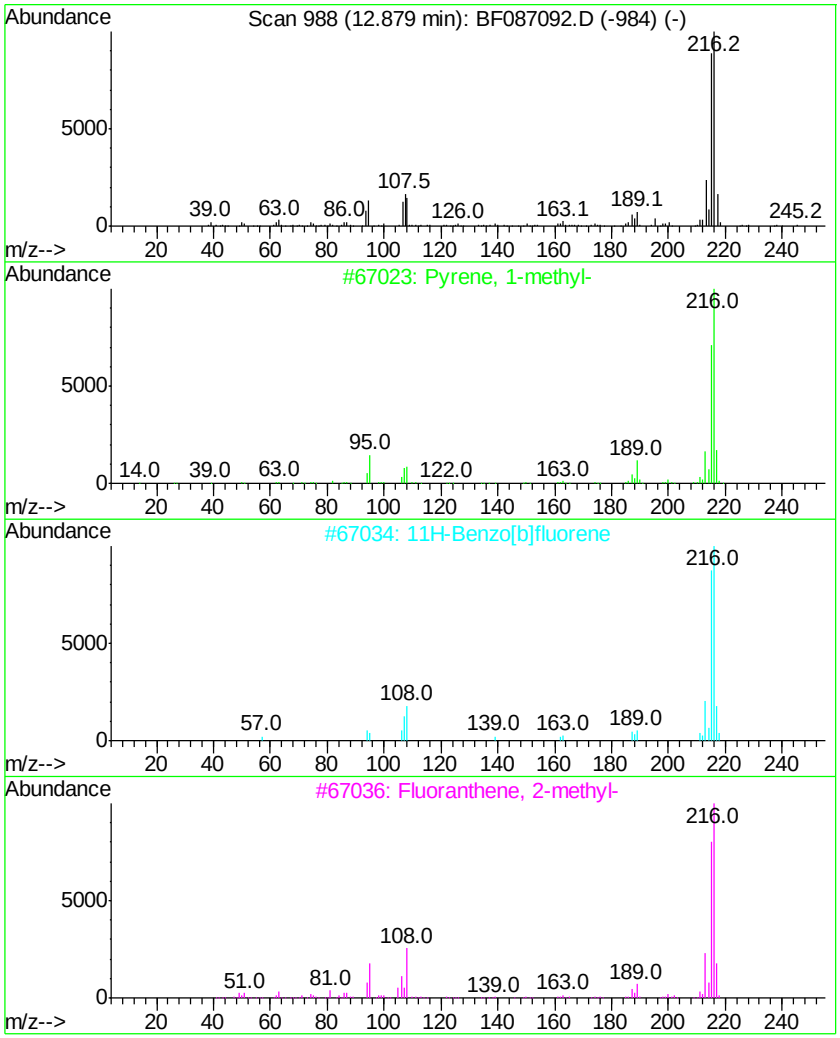
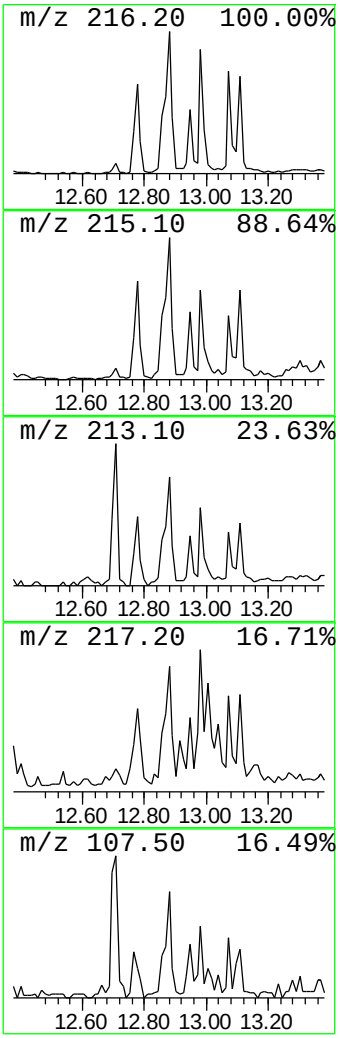
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	2.70 ng	323934	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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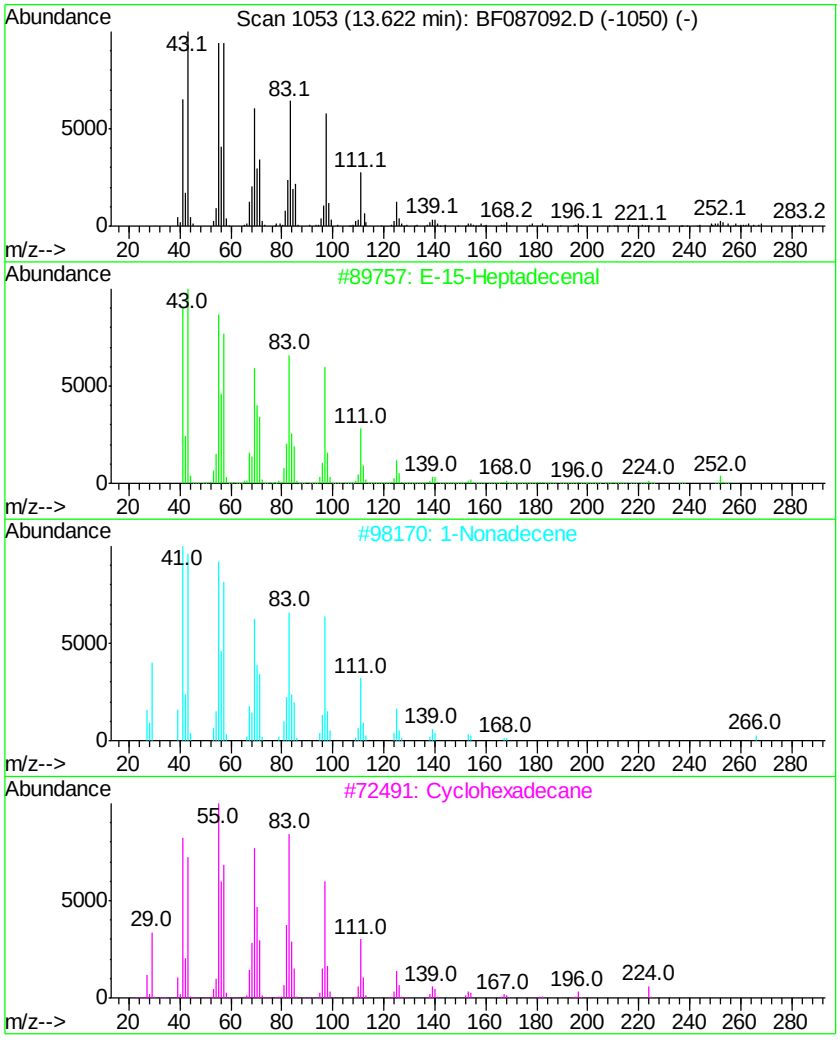
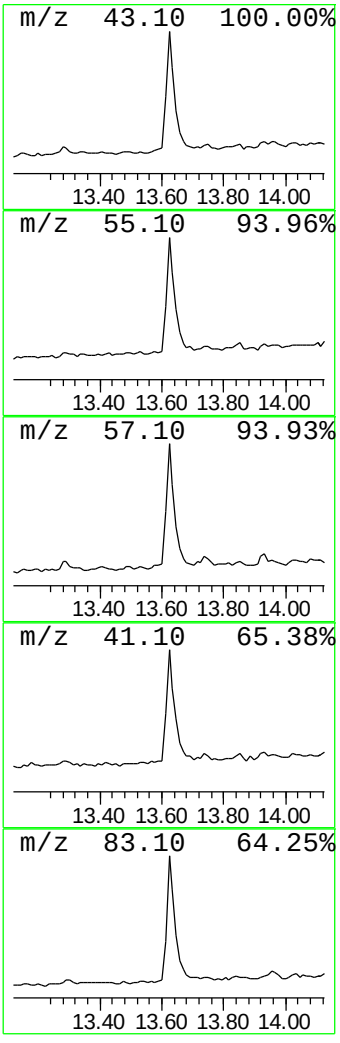
Peak Number 18 E-15-Heptadecenal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	6.57 ng	787685	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-15-Heptadecenal	252	C17H32O	1000130-97-9	94
2	1-Nonadecene	266	C19H38	018435-45-5	91
3	Cyclohexadecane	224	C16H32	000295-65-8	91
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	87
5	E-14-Hexadecenal	238	C16H30O	330207-53-9	87





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Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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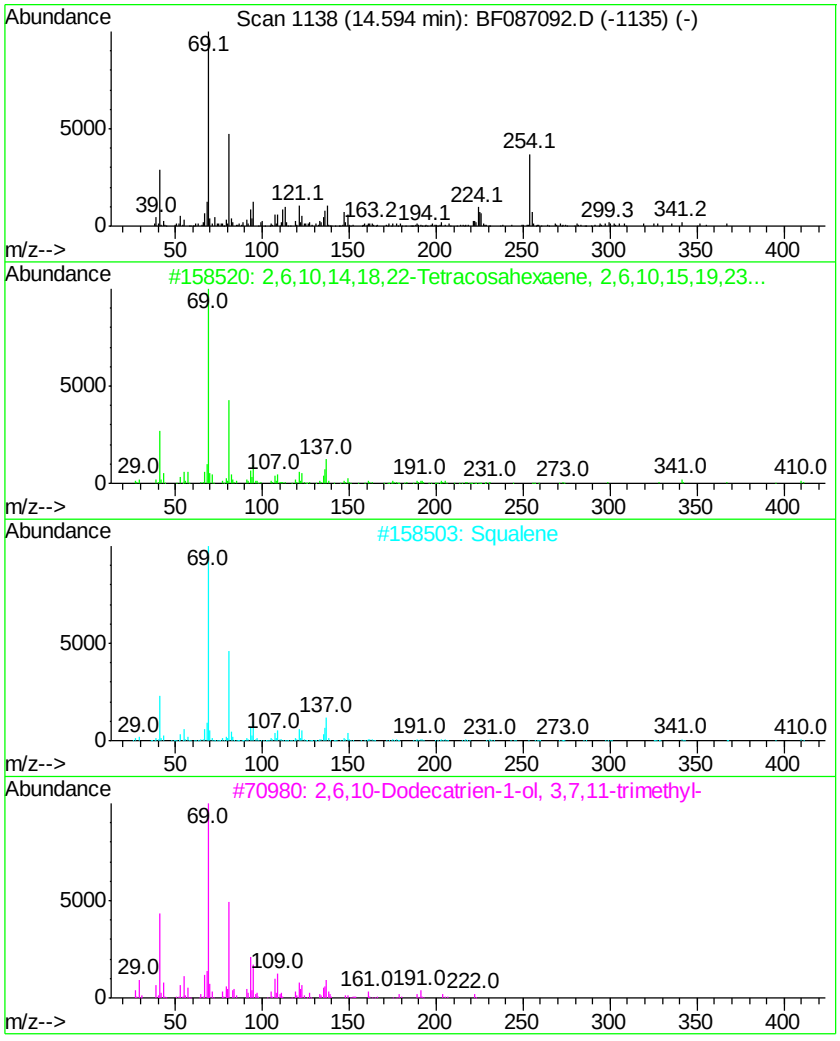
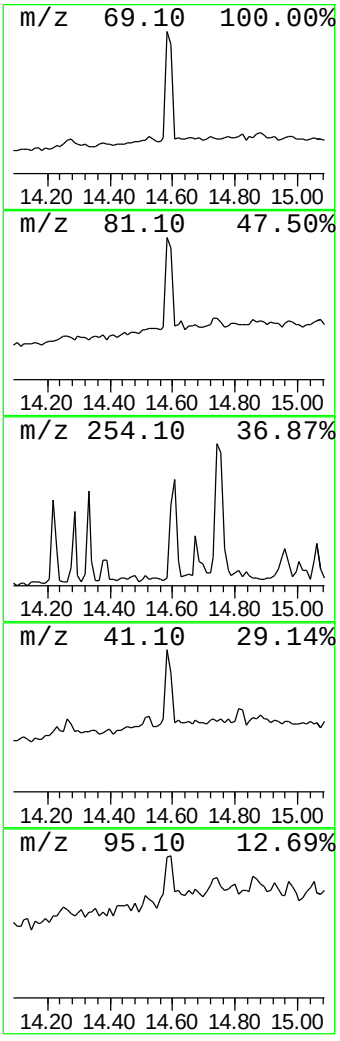
Peak Number 19 2,6,10,14,18,22-Tetracosahe... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	6.22 ng	281339	Perylene-d12	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	62
2	Squalene	410	C30H50	007683-64-9	62
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	58
4	Farnesol isomer a	222	C15H26O	1000108-92-4	53
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	42





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Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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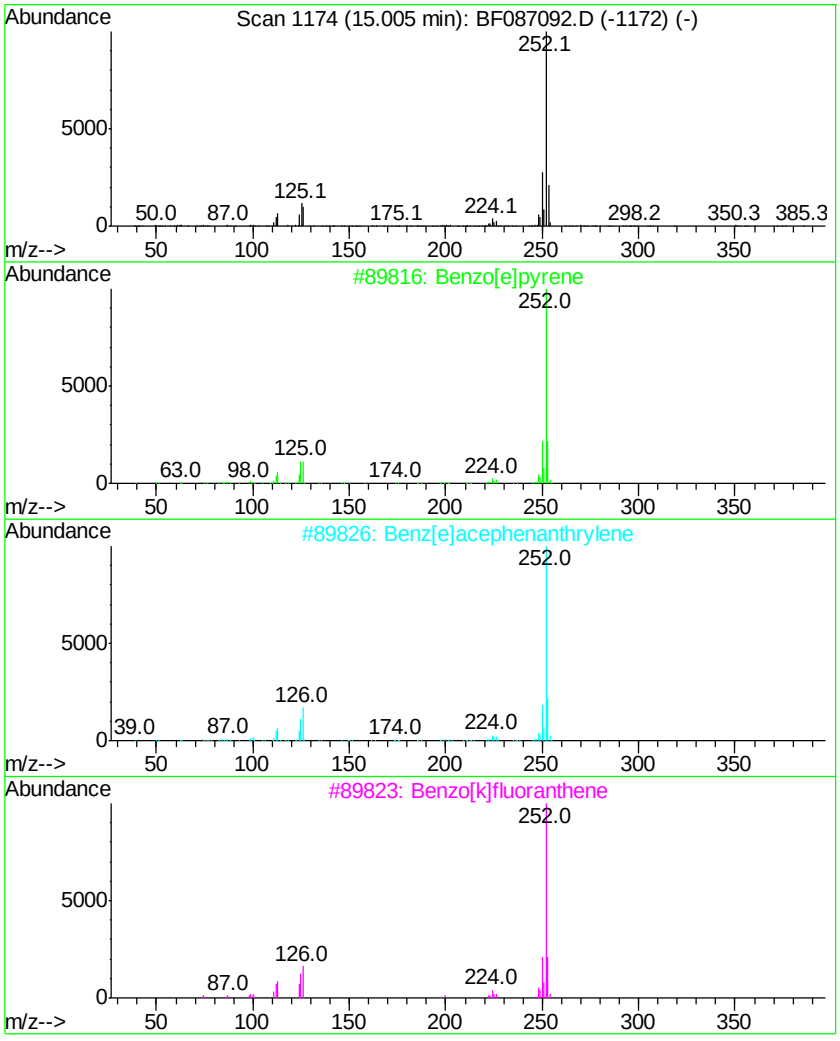
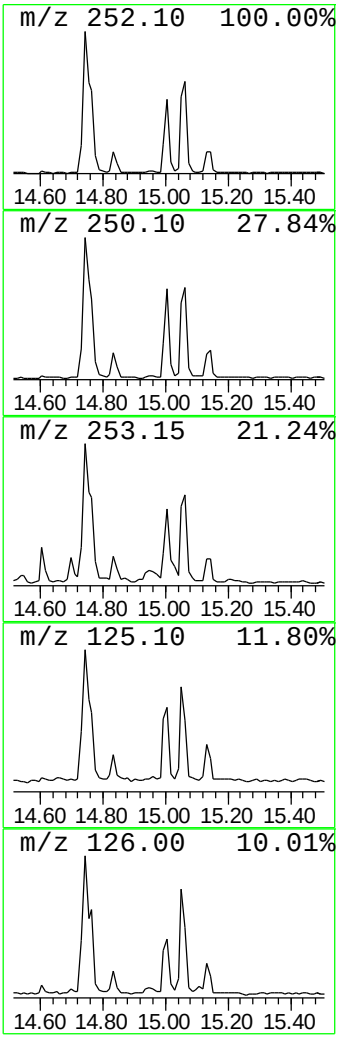
Peak Number 20 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	5.89 ng	266362	Perylene-d12	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087092.D
Acq On : 16 May 2016 20:22
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.73	17.1	ng	874599	1	6.60	1025810	20.0
unknown6.38	6.38	68.9	ng	3535090	1	6.60	1025810	20.0
Tridecane	10.56	3.6	ng	200689	4	11.12	1103650	20.0
Octacosane	11.01	3.6	ng	199174	4	11.12	1103650	20.0
Phenanthrene, 1-m...	11.62	3.1	ng	171056	4	11.12	1103650	20.0
Phenanthrene, 2-m...	11.65	5.5	ng	301214	4	11.12	1103650	20.0
Benzaldehyde, 3,5...	11.73	7.1	ng	389417	4	11.12	1103650	20.0
unknown11.83	11.83	2.1	ng	113829	4	11.12	1103650	20.0
Tricyclo[8.2.2.2(...	11.92	2.5	ng	137634	4	11.12	1103650	20.0
Phenanthrene, 2,5...	12.17	2.3	ng	127911	4	11.12	1103650	20.0
Phenanthrene, 3,6...	12.21	2.1	ng	113908	4	11.12	1103650	20.0
Cyclopenta(def)ph...	12.25	2.2	ng	122451	4	11.12	1103650	20.0
Pyrene, 1-methyl-	12.88	2.7	ng	323934	5	13.75	2396740	20.0
E-15-Heptadecenal	13.62	6.6	ng	787685	5	13.75	2396740	20.0
2,6,10,14,18,22-T...	14.59	6.2	ng	281339	6	15.11	904252	20.0
Benzo[e]pyrene	15.01	5.9	ng	266362	6	15.11	904252	20.0