LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
Data File : BF096857.D
Acq On : 18 Jul 2017 20:05
Operator : SJ/JU
Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

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-BF071317.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	4.751	466	470	477	rBV	15444	18934	2.36%	0.253%
2	5.198	542	546	559	rVB	223438	222561	27.74%	2.972%
3	6.245	721	724	732	rBV	286898	272379	33.95%	3.638%
4	6.369	741	745	750	rBV	312477	263528	32.85%	3.519%
5	6.598	781	784	788	rBV	671553	545736	68.03%	7.288%
6	6.757	807	811	819	rVB	188509	175499	21.88%	2.344%
7	7.157	876	879	884	rBV	145168	124036	15.46%	1.657%
8	7.881	999	1002	1006	rBV	923839	802211	100.00%	10.714%
9	8.180	1047	1053	1058	rBV4	5950	12366	1.54%	0.165%
10	8.328	1074	1078	1082	rVB2	13942	16140	2.01%	0.216%
11	8.492	1103	1106	1109	rVB	20964	18292	2.28%	0.244%
12	8.592	1118	1123	1126	rVB5	8891	13765	1.72%	0.184%
13	8.922	1176	1179	1182	rVB	19188	14160	1.77%	0.189%
14	8.957	1182	1185	1188	rVV	299395	217326	27.09%	2.902%
15	9.057	1192	1202	1208	rBV3	28502	42540	5.30%	0.568%
16	9.351	1249	1252	1255	rBV	58060	56250	7.01%	0.751%
17	9.492	1272	1276	1280	rBV	26206	26659	3.32%	0.356%
18	9.580	1289	1291	1294	rBV	22522	18623	2.32%	0.249%
19	9.633	1295	1300	1303	rBV	728846	676853	84.37%	9.039%
20	10.051	1364	1371	1373	rBV	24477	30042	3.74%	0.401%
21	10.080	1373	1376	1380	rVB	31157	26110	3.25%	0.349%
22	10.174	1390	1392	1395	rBV	16817	12070	1.50%	0.161%
23	10.298	1409	1413	1416	rBV3	21064	25684	3.20%	0.343%
24	10.410	1430	1432	1437	rBV	113408	109809	13.69%	1.467%
25	10.551	1453	1456	1457	rBV2	41019	36837	4.59%	0.492%
26	10.745	1487	1489	1493	rBV4	9492	11711	1.46%	0.156%
27	10.998	1529	1532	1535	rBV2	37475	35070	4.37%	0.468%
28	11.027	1535	1537	1541	rVB2	25431	21047	2.62%	0.281%
29	11.104	1544	1550	1553	rBV	585456	529069	65.95%	7.066%
30	11.127	1553	1554	1559	rVB	128301	85016	10.60%	1.135%
31	11.180	1559	1563	1566	rBV	70206	62334	7.77%	0.832%
32	11.421	1602	1604	1610	rBV2	33492	46615	5.81%	0.623%
33	11.516	1618	1620	1624	rVB3	14662	16763	2.09%	0.224%
34	11.610	1632	1636	1638	rBV2	36720	39549	4.93%	0.528%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

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-BF071317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.633	1638	1640	1645	rVV	43975	38343	4.78%	0.512%
36	11.680	1645	1648	1650	rVV	24163	20033	2.50%	0.268%
37	11.716	1651	1654	1657	rVV	70407	78626	9.80%	1.050%
38	11.739	1657	1658	1662	rVB	31429	22443	2.80%	0.300%
39	11.827	1671	1673	1678	rBV2	35639	37303	4.65%	0.498%
40	11.898	1683	1685	1687	rVV	20999	20562	2.56%	0.275%
41	11.933	1687	1691	1694	rVB3	22855	30720	3.83%	0.410%
42	11.980	1696	1699	1701	rBV4	18206	23871	2.98%	0.319%
43	12.033	1706	1708	1709	rBV2	22051	18274	2.28%	0.244%
44	12.080	1714	1716	1718	rBV3	21883	22128	2.76%	0.296%
45	12.157	1726	1729	1731	rBV	49373	53660	6.69%	0.717%
46	12.216	1737	1739	1741	rVB	56020	43212	5.39%	0.577%
47	12.239	1741	1743	1747	rBV4	23408	33335	4.16%	0.445%
48	12.310	1752	1755	1759	rVB	308211	278113	34.67%	3.714%
49	12.539	1789	1794	1796	rBV	289964	295932	36.89%	3.952%
50	12.586	1799	1802	1804	rVB2	56163	50244	6.26%	0.671%
51	12.686	1816	1819	1826	rBV	213871	230288	28.71%	3.076%
52	12.868	1848	1850	1854	rVB	84497	74388	9.27%	0.993%
53	12.939	1859	1862	1865	rVB2	108362	104596	13.04%	1.397%
54	12.968	1865	1867	1872	rBV4	58975	103755	12.93%	1.386%
55	13.280	1918	1920	1923	rVB	116532	98084	12.23%	1.310%
56	13.610	1973	1976	1981	rVB2	154958	161999	20.19%	2.164%
57	13.733	1993	1997	2000	rBV2	508644	581435	72.48%	7.765%
58	13.927	2027	2030	2033	rBV	159378	150203	18.72%	2.006%
59	14.527	2129	2132	2136	rBV2	232261	290661	36.23%	3.882%

Sum of corrected areas: 7487792

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Instrument : BNA_F
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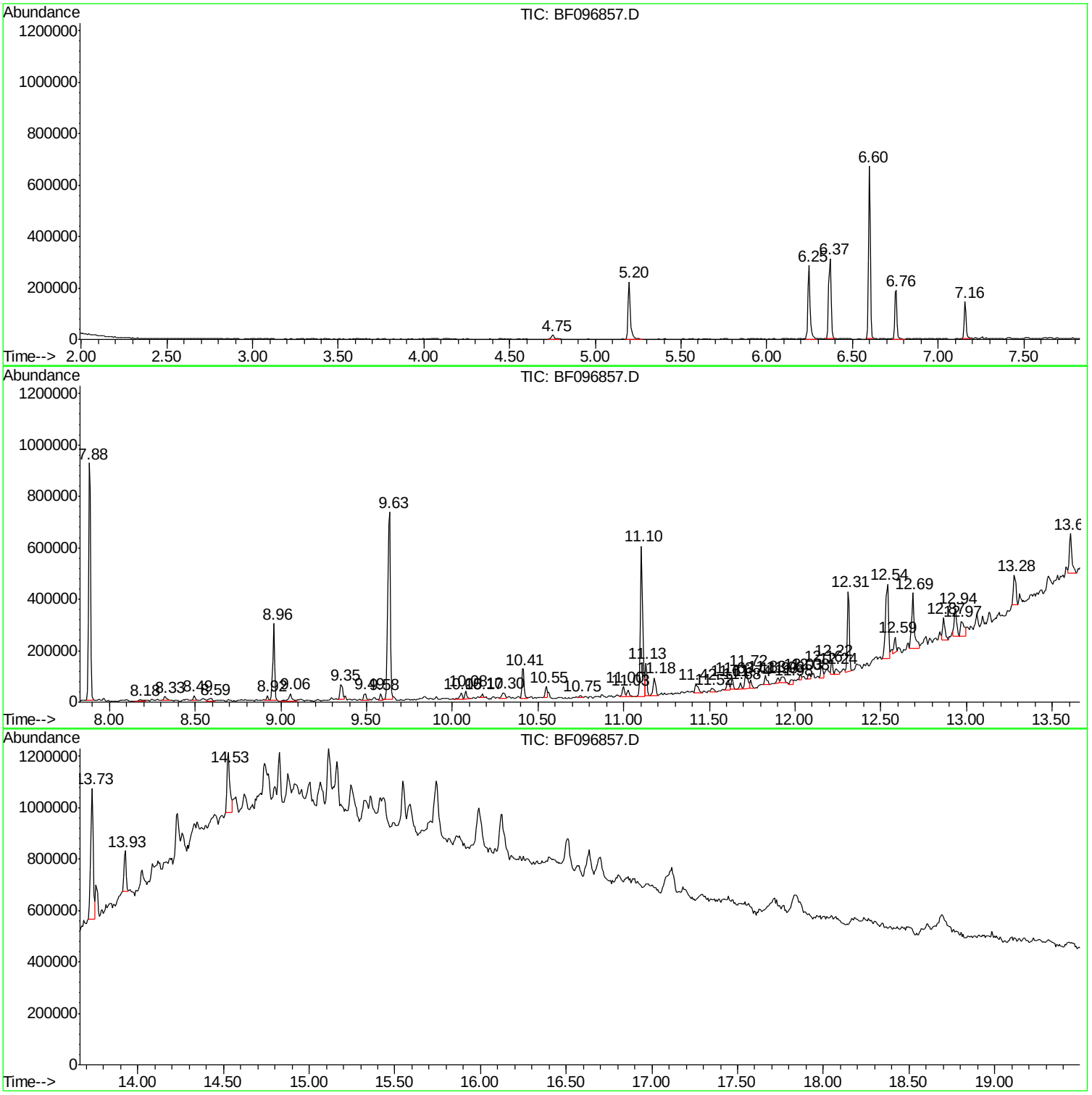
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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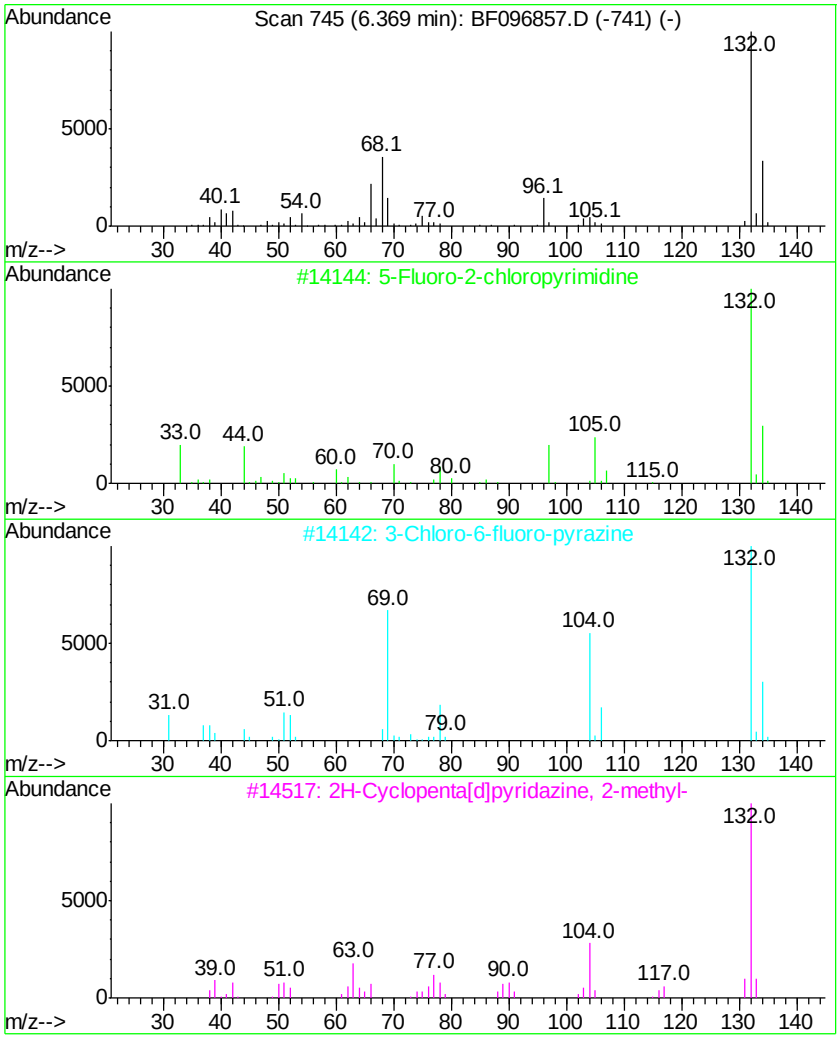
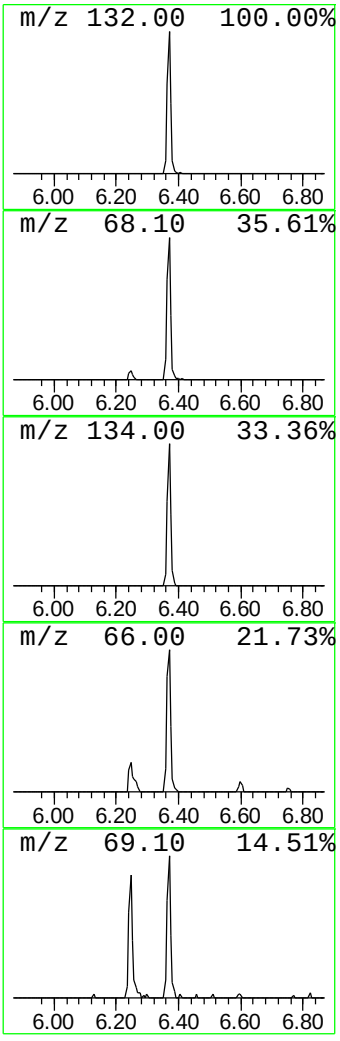
****

Peak Number 1 unknown6.37 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	9.66 ng	263528	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
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Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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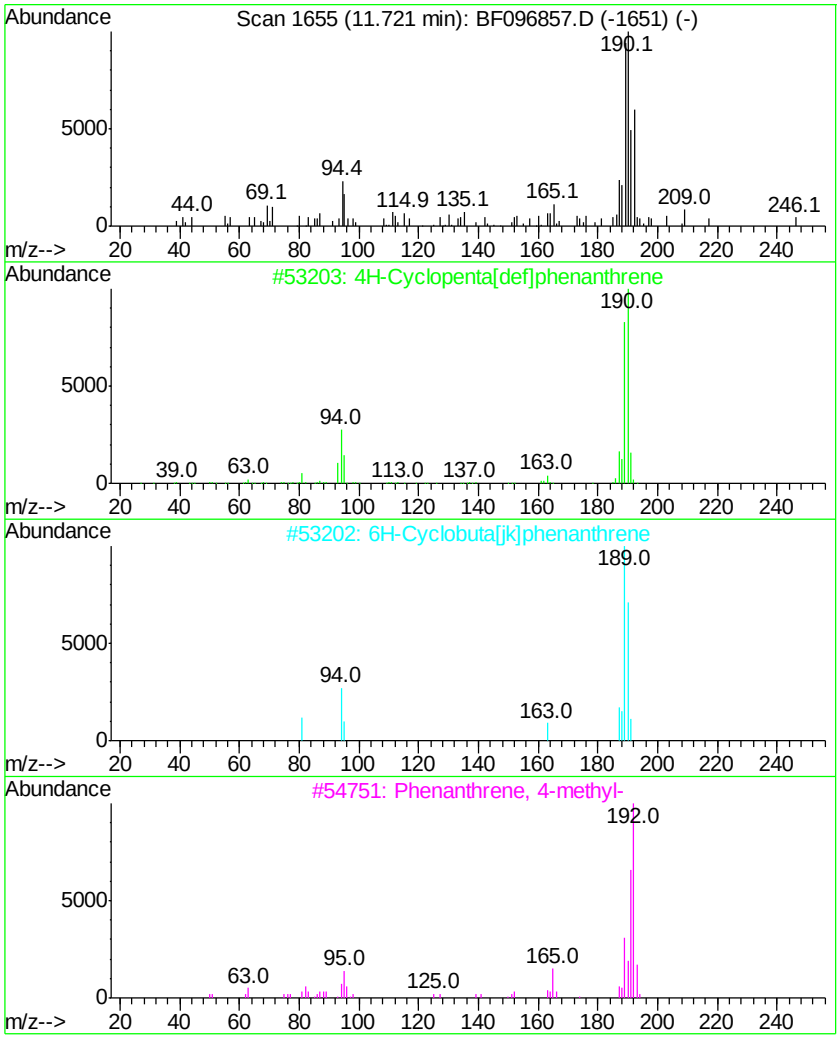
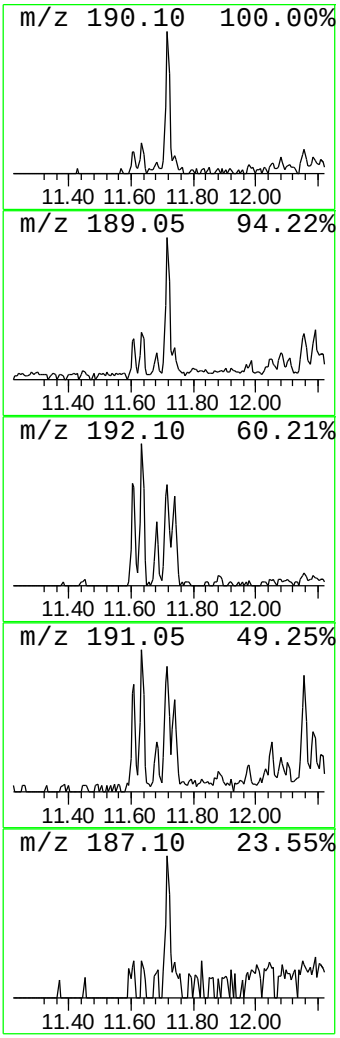
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.97 ng	78626	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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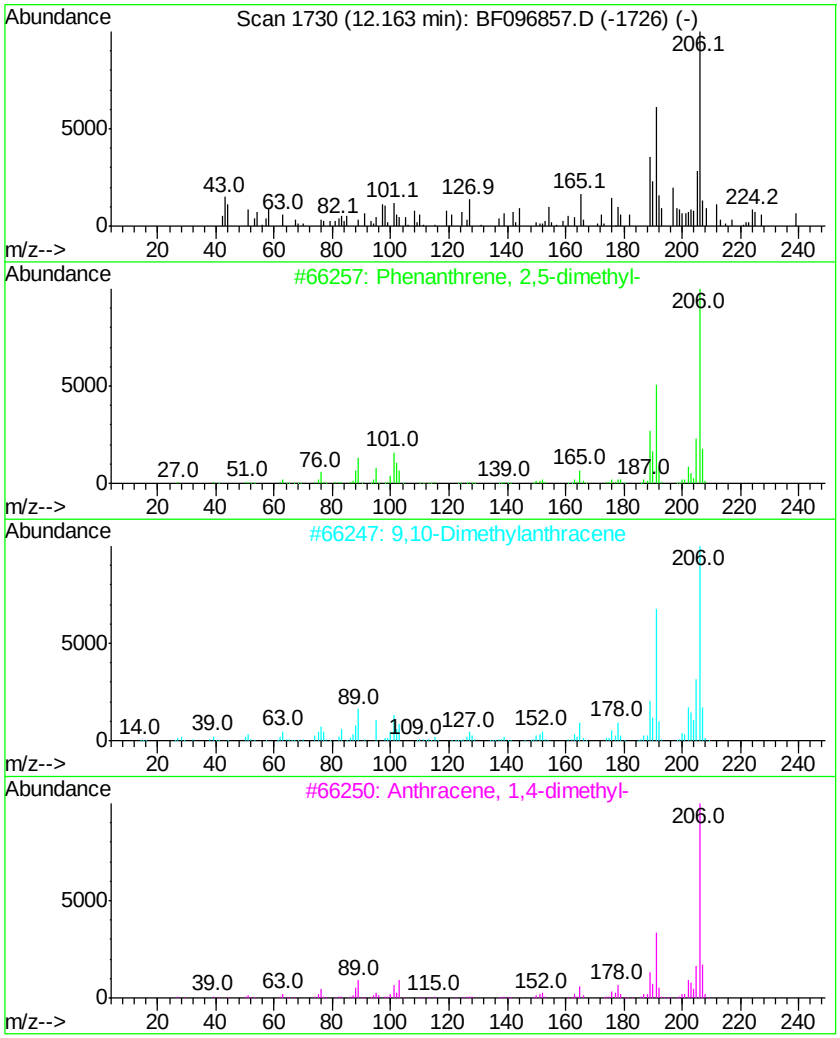
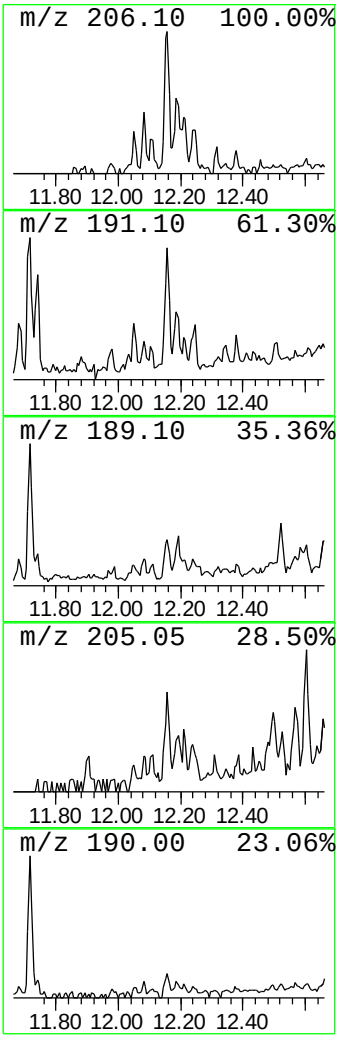
Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.03 ng	53660	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
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Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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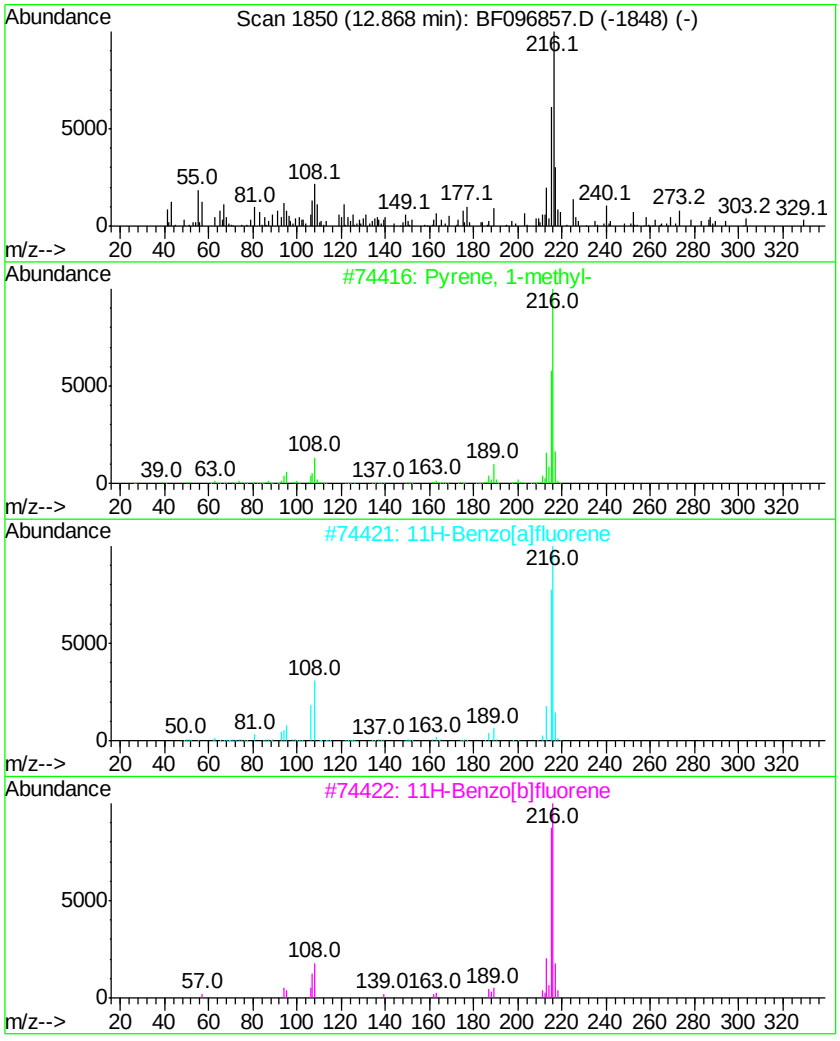
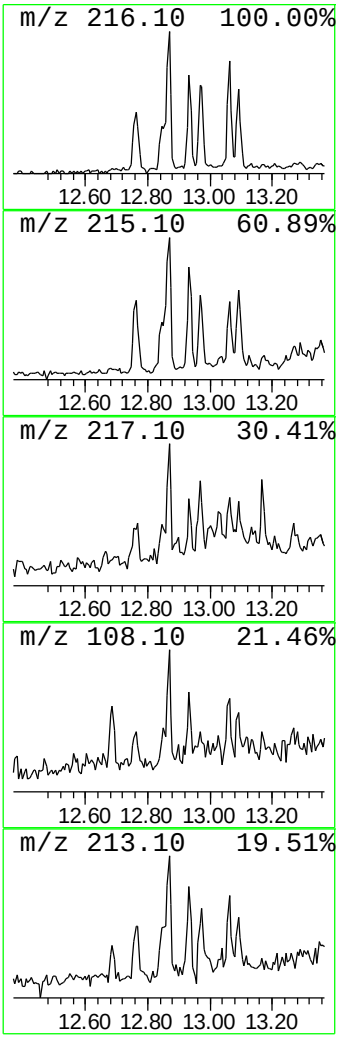
Peak Number 6 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.56 ng	74388	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	50





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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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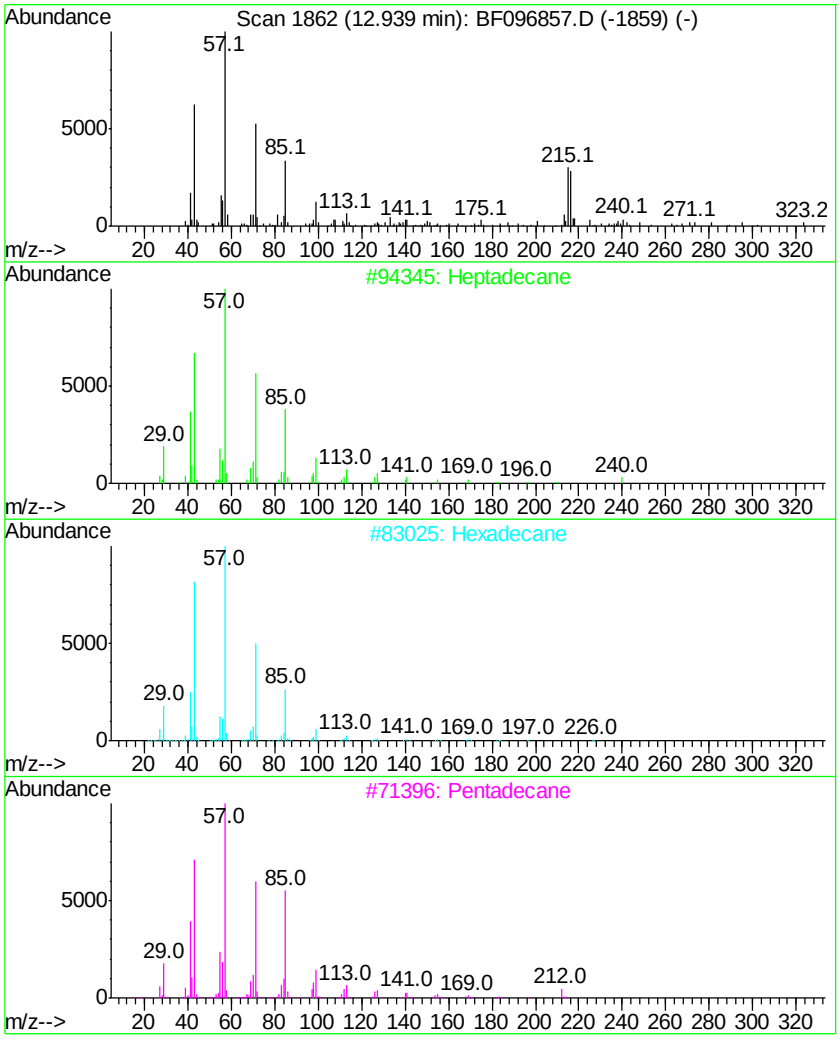
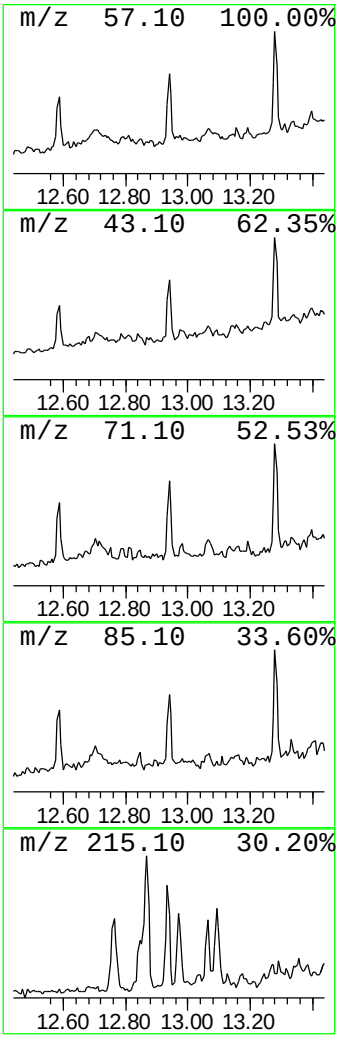
Peak Number 7 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.60 ng	104596	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	64
2	Hexadecane	226	C16H34	000544-76-3	60
3	Pentadecane	212	C15H32	000629-62-9	58
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	52
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	52





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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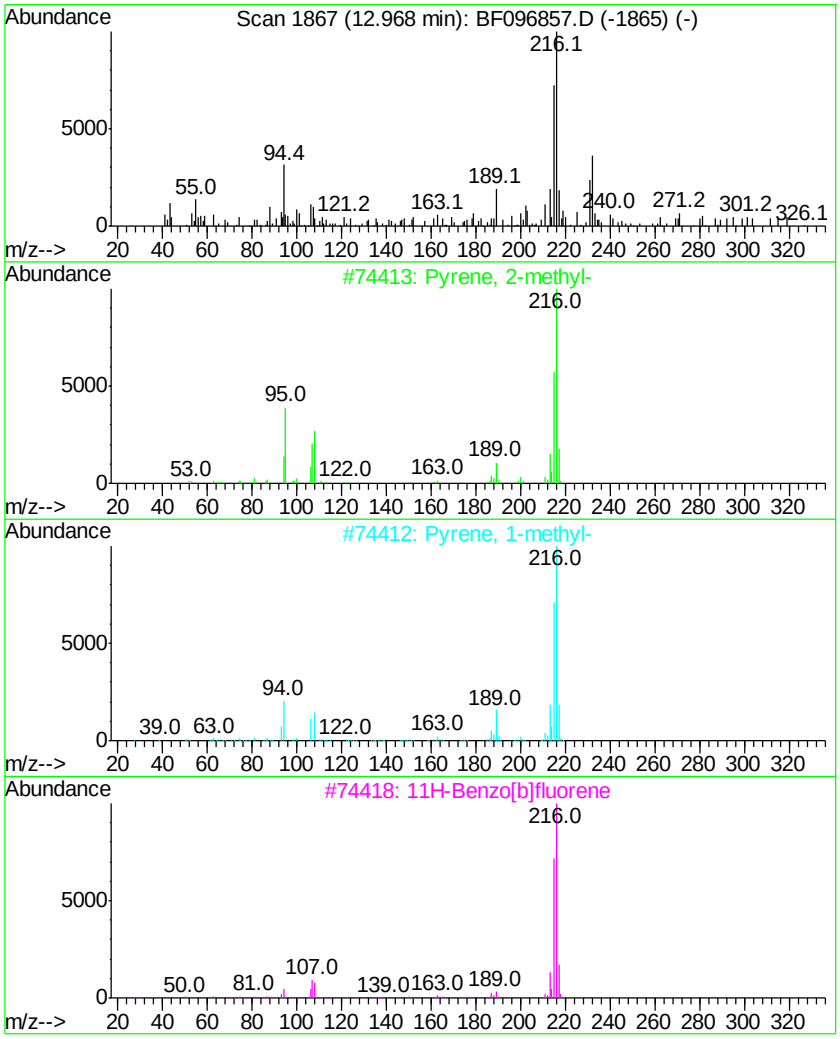
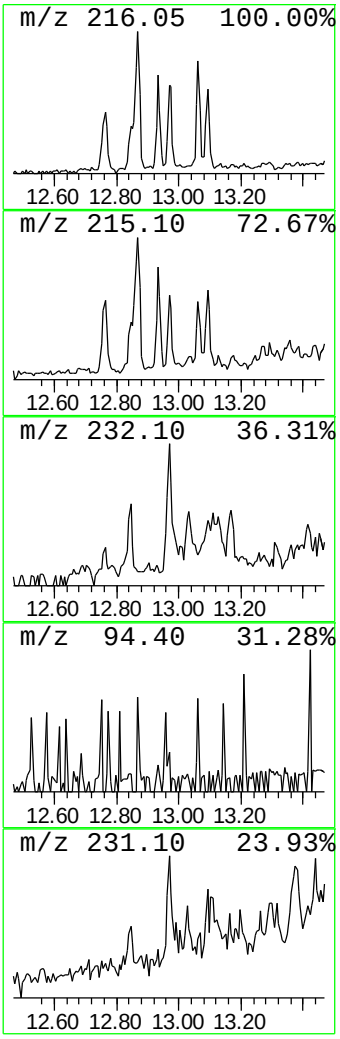
Peak Number 8 Pyrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	3.57 ng	103755	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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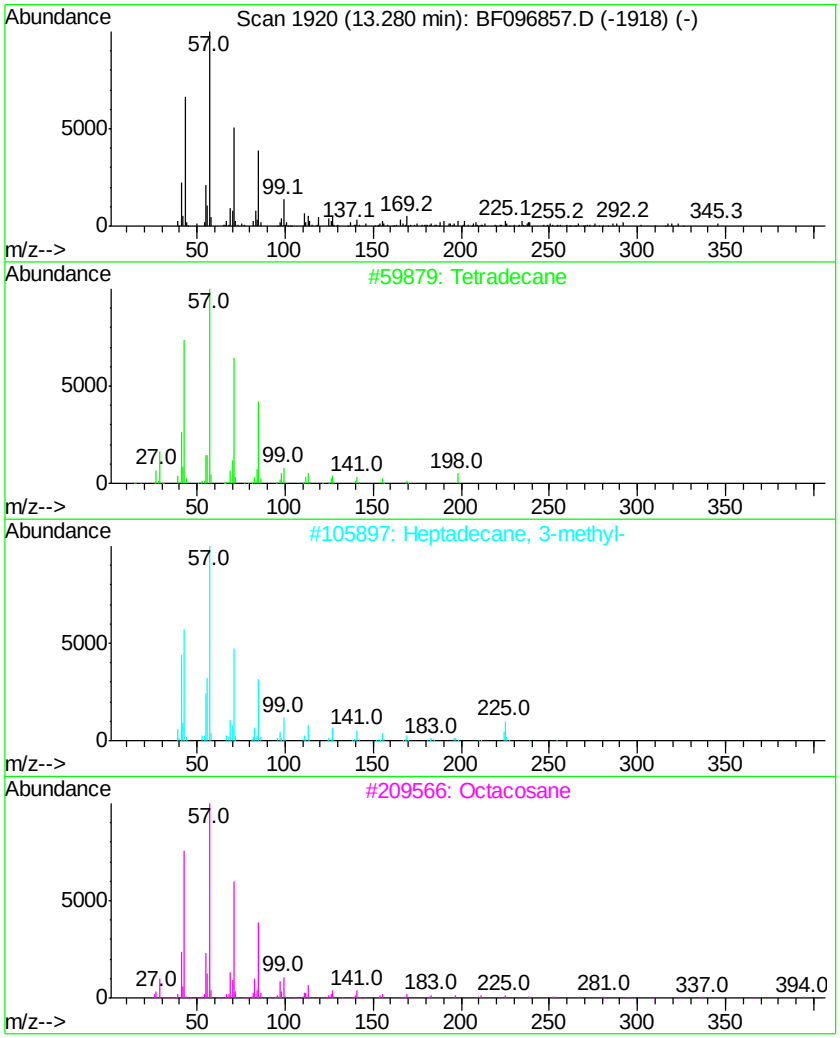
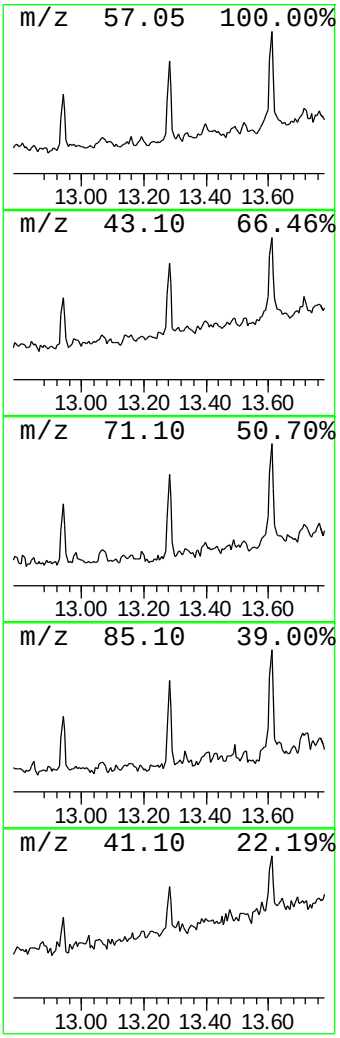
Peak Number 9 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.37 ng	98084	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	81
2	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	80
3	Octacosane	394	C28H58	000630-02-4	80
4	Eicosane	282	C20H42	000112-95-8	80
5	Pentadecane	212	C15H32	000629-62-9	80





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Data File : BF096857.D
Acq On : 18 Jul 2017 20:05
Operator : SJ/JU
Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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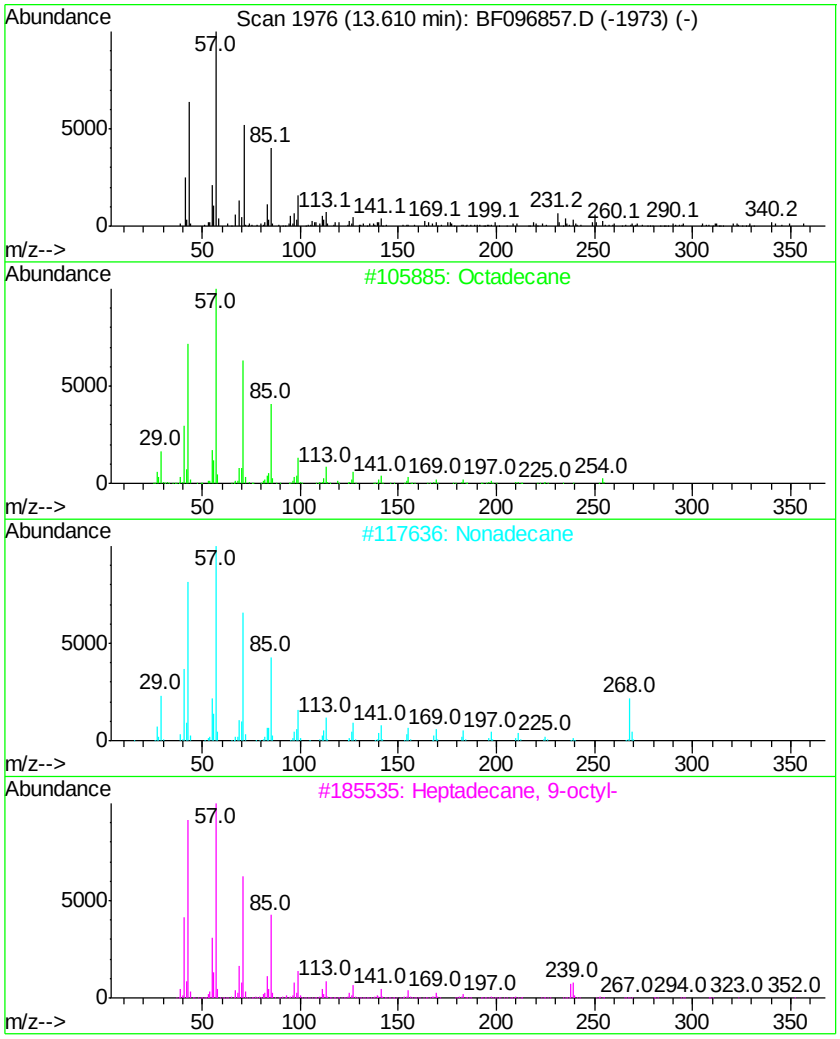
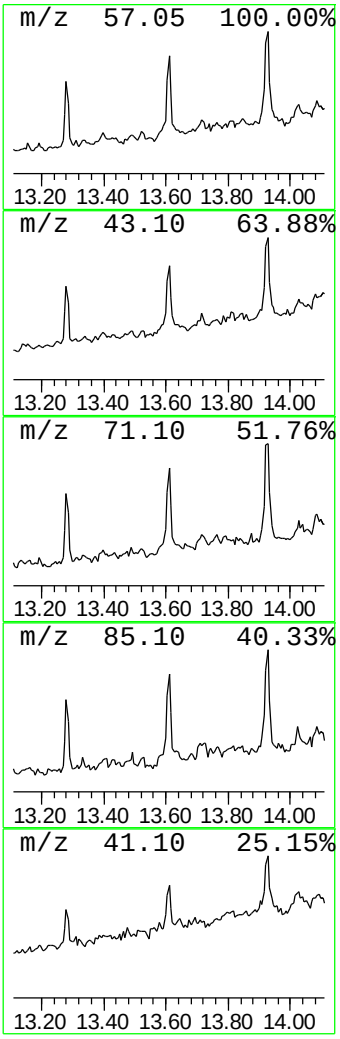
Peak Number 10 Octadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	5.57 ng	161999	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Nonadecane	268	C19H40	000629-92-5	83
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	83
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	81





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Data File : BF096857.D
Acq On : 18 Jul 2017 20:05
Operator : SJ/JU
Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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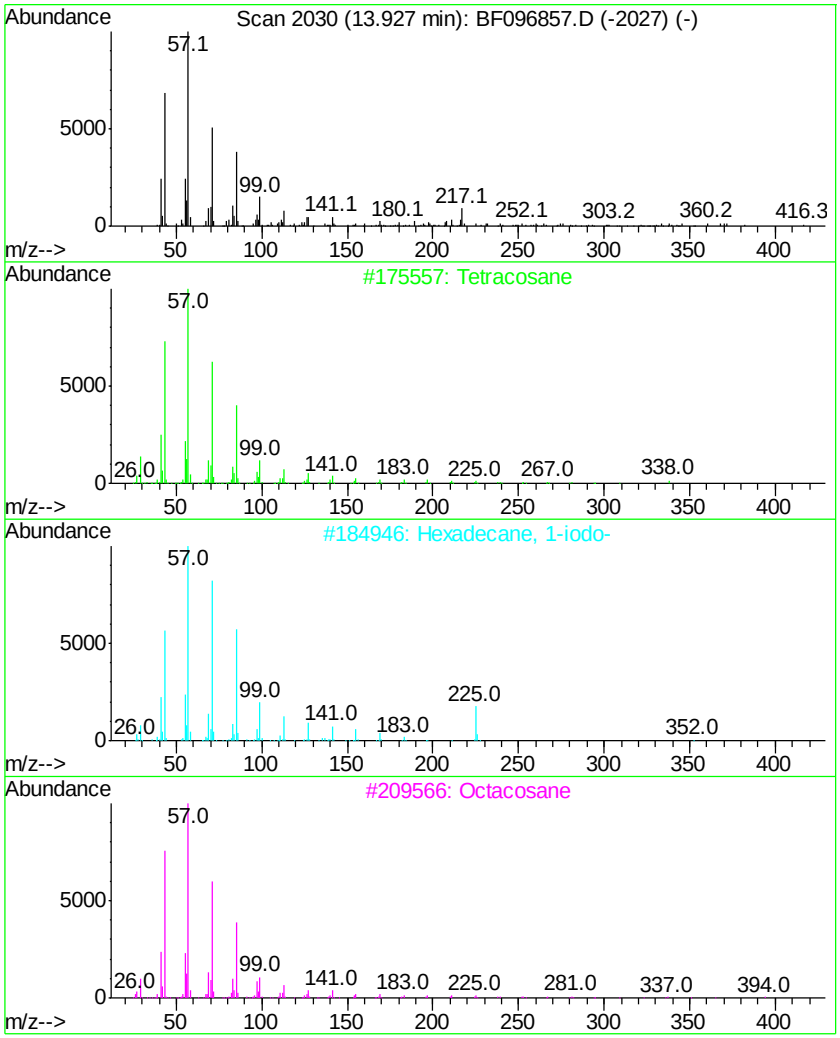
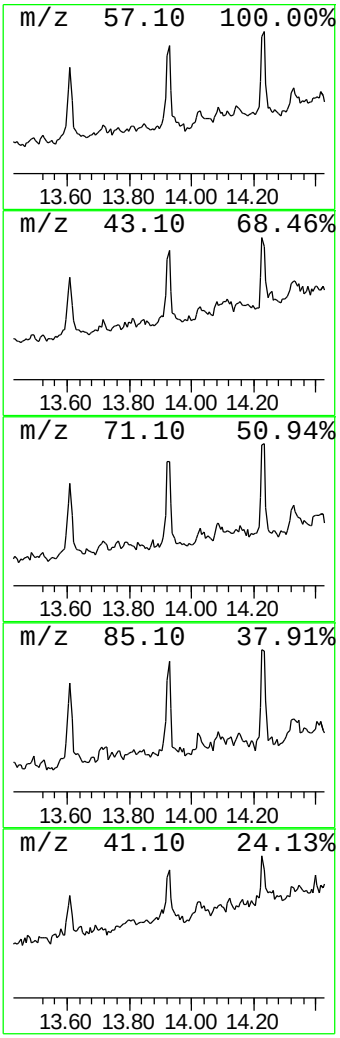
Peak Number 11 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	5.17 ng	150203	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	89
3	Octacosane	394	C28H58	000630-02-4	87
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
5	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	87





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Data File : BF096857.D
Acq On : 18 Jul 2017 20:05
Operator : SJ/JU
Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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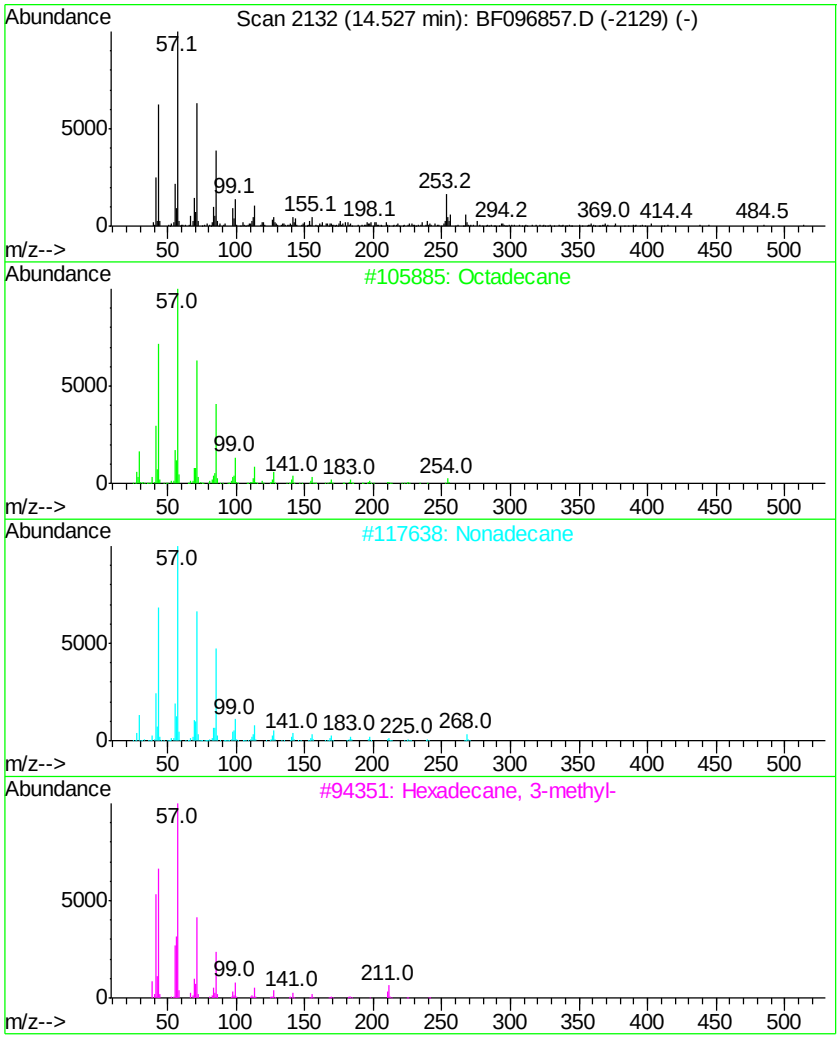
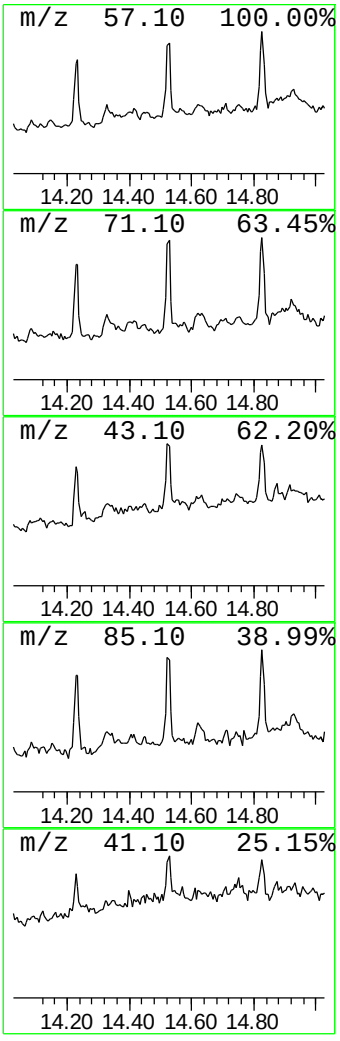
Peak Number 12 Nonadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	20.00 ng	290661	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Nonadecane	268	C19H40	000629-92-5	86
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	81
4	Heneicosane	296	C21H44	000629-94-7	81
5	Eicosane, 3-methyl-	296	C21H44	006418-46-8	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071817\
Data File : BF096857.D
Acq On : 18 Jul 2017 20:05
Operator : SJ/JU
Sample : I4245-13 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071717-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.37	6.37	9.7	ng	263528	1	6.60	545736	20.0
4H-Cyclopenta[def...	11.72	3.0	ng	78626	4	11.10	529069	20.0
Phenanthrene, 2,5...	12.16	2.0	ng	53660	4	11.10	529069	20.0
Pyrene, 1-methyl-	12.87	2.6	ng	74388	5	13.73	581435	20.0
Heptadecane	12.94	3.6	ng	104596	5	13.73	581435	20.0
Pyrene, 2-methyl-	12.97	3.6	ng	103755	5	13.73	581435	20.0
Tetradecane	13.28	3.4	ng	98084	5	13.73	581435	20.0
Octadecane	13.61	5.6	ng	161999	5	13.73	581435	20.0
Tetracosane	13.93	5.2	ng	150203	5	13.73	581435	20.0
Nonadecane	14.53	20.0	ng	290661	6	15.12	290661	20.0