LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

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-BF081117.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	7.257	943	947	954	rBV5	6055	16046	1.86%	0.161%
2	7.516	987	991	1012	rBV	301705	511881	59.26%	5.121%
3	7.775	1030	1035	1044	rBV2	7703	16689	1.93%	0.167%
4	9.539	1331	1335	1353	rBV	427808	610310	70.65%	6.106%
5	10.722	1533	1536	1545	rBV2	6060	12044	1.39%	0.120%
6	10.863	1556	1560	1568	rBV	18671	30345	3.51%	0.304%
7	11.328	1633	1639	1650	rBB	17119	24197	2.80%	0.242%
8	11.739	1704	1709	1718	rBB4	12039	25595	2.96%	0.256%
9	11.845	1723	1727	1731	rBV2	26431	38341	4.44%	0.384%
10	11.892	1731	1735	1745	rVB	14614	21276	2.46%	0.213%
11	12.033	1754	1759	1767	rBB2	11252	24217	2.80%	0.242%
12	12.145	1774	1778	1788	rBV	40795	67627	7.83%	0.677%
13	12.369	1811	1816	1823	rBV2	434791	596041	69.00%	5.963%
14	12.422	1823	1825	1833	rVB	22812	31369	3.63%	0.314%
15	12.722	1871	1876	1877	rBV	12555	13504	1.56%	0.135%
16	12.804	1885	1890	1895	rBB2	10398	13956	1.62%	0.140%
17	12.916	1905	1909	1915	rBV2	13369	20235	2.34%	0.202%
18	13.057	1926	1933	1936	rBV4	5740	11623	1.35%	0.116%
19	13.216	1954	1960	1964	rBV3	12869	18673	2.16%	0.187%
20	13.263	1964	1968	1979	rVB	73104	100067	11.58%	1.001%
21	13.351	1979	1983	1990	rBV5	6095	12734	1.47%	0.127%
22	13.545	2012	2016	2018	rBV2	9487	14240	1.65%	0.142%
23	13.674	2034	2038	2039	rVV	8363	11422	1.32%	0.114%
24	13.692	2039	2041	2046	rVB3	7936	10103	1.17%	0.101%
25	14.163	2114	2121	2125	rBV2	21602	38983	4.51%	0.390%
26	14.204	2125	2128	2136	rVV5	15953	24486	2.83%	0.245%
27	14.286	2136	2142	2149	rVB2	12454	16561	1.92%	0.166%
28	14.568	2184	2190	2193	rBV3	7570	12266	1.42%	0.123%
29	14.604	2193	2196	2202	rVB	19452	26696	3.09%	0.267%
30	14.763	2219	2223	2227	rBV	389422	502983	58.23%	5.032%
31	14.804	2227	2230	2240	rVB	453129	553382	64.06%	5.536%
32	14.892	2240	2245	2255	rVB	108889	152984	17.71%	1.531%
33	14.992	2258	2262	2266	rBV3	10676	15919	1.84%	0.159%
34	15.204	2295	2298	2306	rBV2	8788	15214	1.76%	0.152%

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

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-BF081117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.263	2306	2308	2312	rVV	10188	12274	1.42%	0.123%
36	15.298	2312	2314	2320	rVB4	11789	13727	1.59%	0.137%
37	15.427	2333	2336	2344	rVB	6449	10457	1.21%	0.105%
38	15.563	2353	2359	2363	rBV	84839	98249	11.37%	0.983%
39	15.604	2363	2366	2374	rVV	91953	113126	13.10%	1.132%
40	15.674	2374	2378	2381	rVV	34471	45798	5.30%	0.458%
41	15.710	2381	2384	2389	rVV2	133419	192384	22.27%	1.925%
42	15.757	2389	2392	2404	rVB	54808	80440	9.31%	0.805%
43	16.010	2428	2435	2440	rBV	45181	58509	6.77%	0.585%
44	16.221	2466	2471	2476	rBV4	9254	14389	1.67%	0.144%
45	16.268	2476	2479	2482	rVV	16747	19334	2.24%	0.193%
46	16.304	2482	2485	2488	rVV2	9598	9787	1.13%	0.098%
47	16.368	2491	2496	2499	rBV	45811	58207	6.74%	0.582%
48	16.410	2499	2503	2507	rVV3	31964	50533	5.85%	0.506%
49	16.445	2507	2509	2512	rVV3	14841	14463	1.67%	0.145%
50	16.486	2512	2516	2519	rVV2	23177	34303	3.97%	0.343%
51	16.568	2524	2530	2535	rBV	508154	581689	67.34%	5.819%
52	16.615	2535	2538	2544	rVB3	15836	21290	2.46%	0.213%
53	16.668	2544	2547	2550	rBV4	20403	25733	2.98%	0.257%
54	16.704	2550	2553	2558	rVB	48644	51707	5.99%	0.517%
55	16.768	2560	2564	2568	rBV2	13361	16985	1.97%	0.170%
56	16.868	2576	2581	2586	rBV	523281	584664	67.68%	5.849%
57	16.915	2586	2589	2592	rVV	11076	10837	1.25%	0.108%
58	16.962	2595	2597	2600	rVB2	11093	10584	1.23%	0.106%
59	17.062	2609	2614	2618	rBV2	22760	28478	3.30%	0.285%
60	17.121	2620	2624	2629	rVB3	21289	28399	3.29%	0.284%
61	17.198	2629	2637	2643	rBV4	31743	63973	7.41%	0.640%
62	17.304	2651	2655	2657	rBV3	29466	42356	4.90%	0.424%
63	17.339	2657	2661	2667	rVB2	93111	124480	14.41%	1.245%
64	17.421	2671	2675	2680	rVB	91901	102770	11.90%	1.028%
65	17.468	2680	2683	2694	rVB2	47935	83979	9.72%	0.840%
66	17.562	2694	2699	2700	rBV5	10532	15686	1.82%	0.157%
67	17.586	2700	2703	2707	rVV	27055	29240	3.38%	0.293%
68	17.627	2707	2710	2713	rVV	28596	25468	2.95%	0.255%
69	17.739	2726	2729	2730	rBV3	12362	10822	1.25%	0.108%
70	17.851	2742	2748	2750	rBV7	16116	30012	3.47%	0.300%
71	17.980	2766	2770	2776	rBV8	22145	40732	4.72%	0.407%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.139	2794	2797	2800	rVV	41187	51881	6.01%	0.519%
73	18.174	2800	2803	2805	rVV	48992	50403	5.83%	0.504%
74	18.204	2805	2808	2811	rVV	39505	50151	5.81%	0.502%
75	18.245	2811	2815	2819	rVB	34405	44003	5.09%	0.440%
76	18.368	2833	2836	2837	rBV2	13550	11186	1.29%	0.112%
77	18.392	2837	2840	2841	rBV3	13204	12100	1.40%	0.121%
78	18.462	2846	2852	2855	rVV2	558577	863823	100.00%	8.642%
79	18.498	2855	2858	2865	rVB2	224315	305597	35.38%	3.057%
80	18.592	2870	2874	2878	rVB	53620	63804	7.39%	0.638%
81	18.680	2885	2889	2896	rBV2	31240	50745	5.87%	0.508%
82	18.739	2897	2899	2904	rVV2	24692	35415	4.10%	0.354%
83	18.792	2904	2908	2914	rVB4	26261	38556	4.46%	0.386%
84	18.921	2927	2930	2932	rBV4	14387	17109	1.98%	0.171%
85	18.968	2935	2938	2942	rVV	73694	90912	10.52%	0.910%
86	19.009	2942	2945	2949	rVB2	39227	42357	4.90%	0.424%
87	19.080	2954	2957	2960	rVV3	47150	46442	5.38%	0.465%
88	19.574	3038	3041	3044	rBV3	29430	32779	3.79%	0.328%
89	19.727	3063	3067	3070	rBV	235427	329021	38.09%	3.292%
90	19.756	3070	3072	3079	rVV	115131	137844	15.96%	1.379%
91	19.839	3083	3086	3090	rBV2	48351	55959	6.48%	0.560%
92	20.021	3113	3117	3121	rBV	116199	138487	16.03%	1.385%
93	20.050	3121	3122	3123	rBV	24653	14883	1.72%	0.149%
94	20.080	3123	3127	3132	rBV	231490	280204	32.44%	2.803%
95	20.133	3132	3136	3139	rBV	406219	441947	51.16%	4.421%
96	20.239	3152	3154	3157	rBV3	24388	27137	3.14%	0.271%
97	20.297	3161	3164	3166	rBV4	45868	54356	6.29%	0.544%
98	21.356	3340	3344	3352	rVB	105568	177914	20.60%	1.780%
99	21.709	3400	3404	3411	rVB	78145	148756	17.22%	1.488%
100	23.909	3776	3778	3781	rVB3	22055	14004	1.62%	0.140%

Sum of corrected areas: 9995648

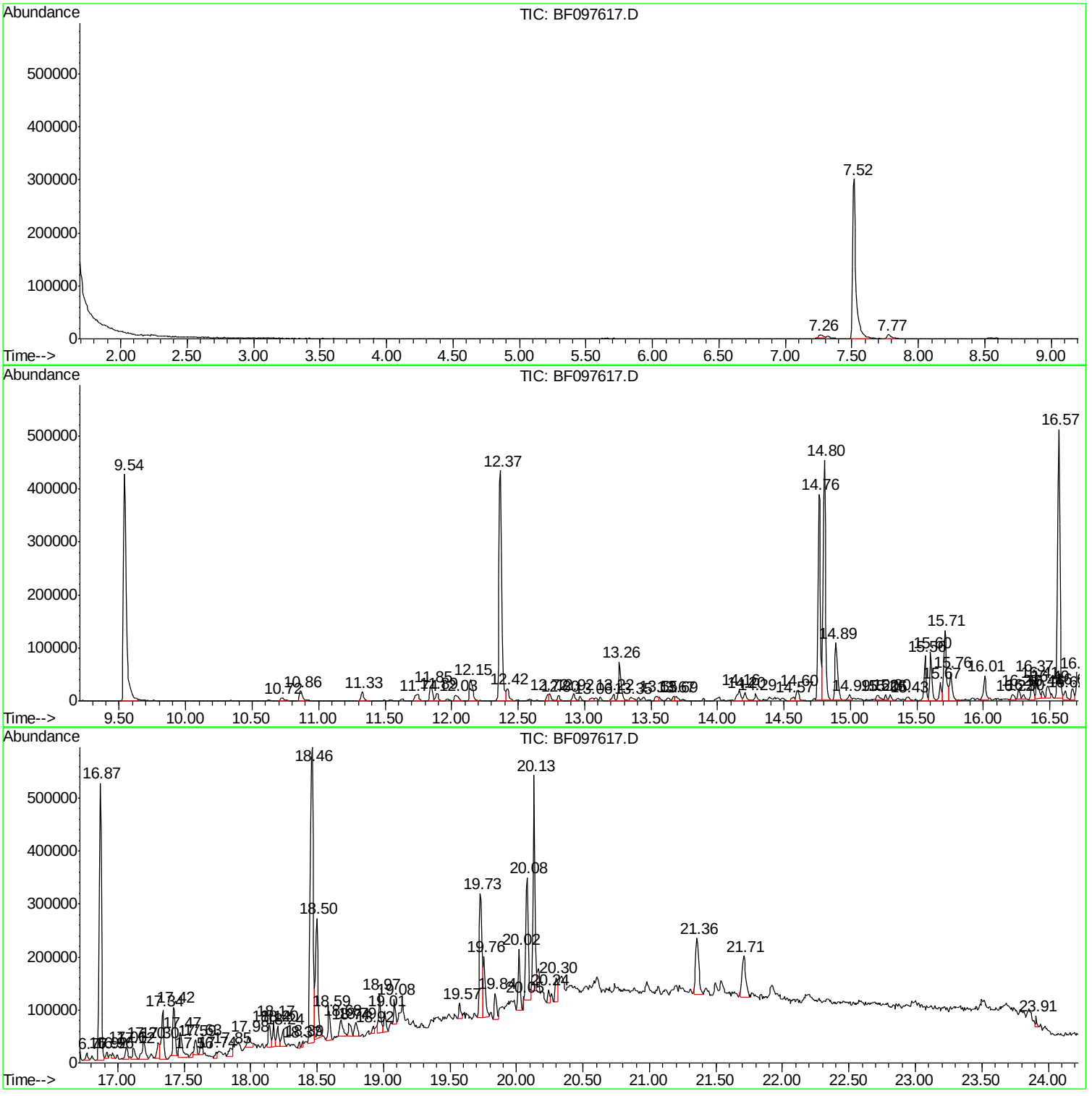
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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\BF081117\
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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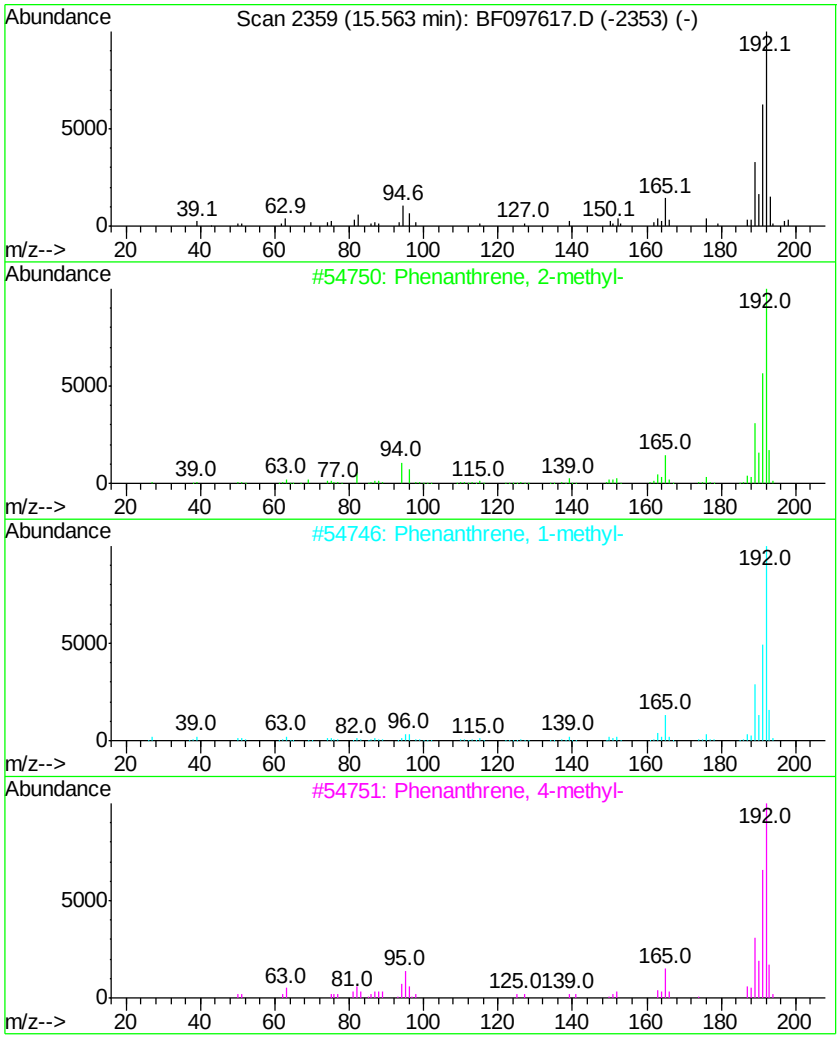
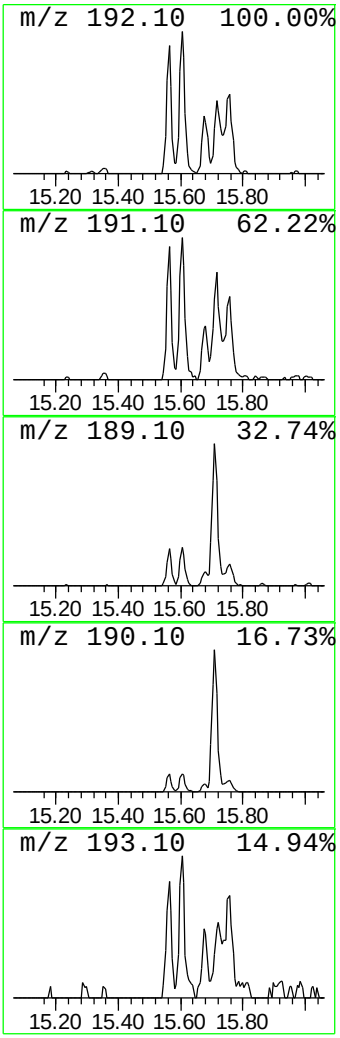
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	3.91 ng	98249	Phenanthrene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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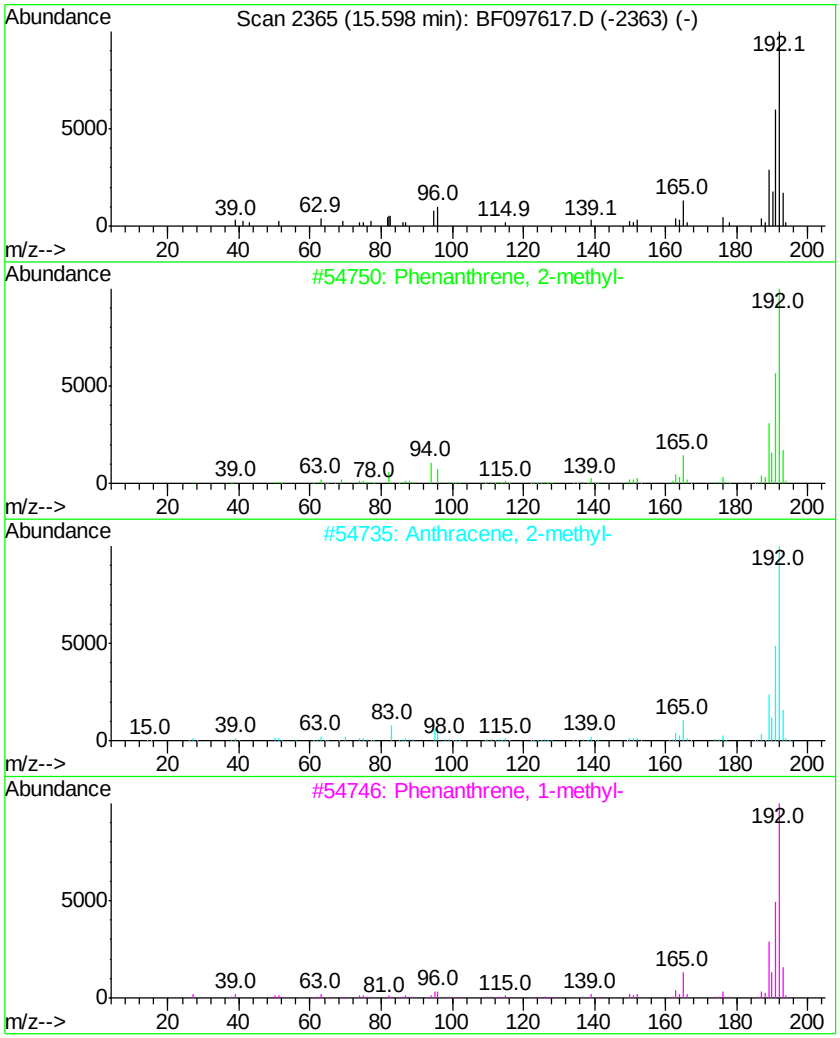
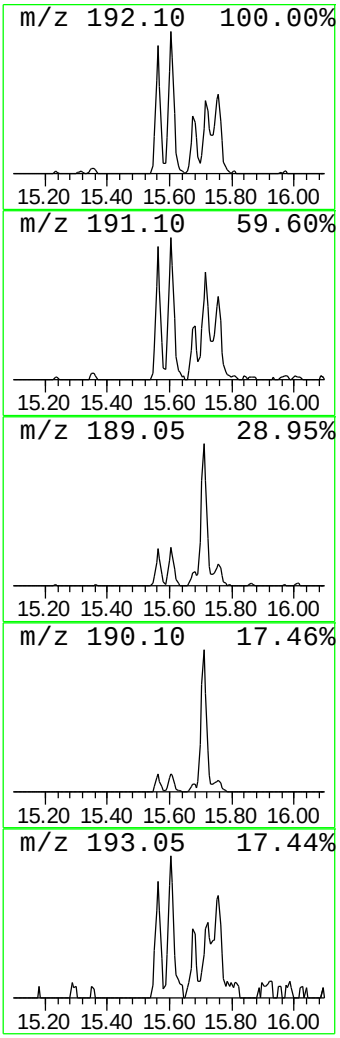
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	4.50 ng	113126	Phenanthrene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : I4717-01 50X
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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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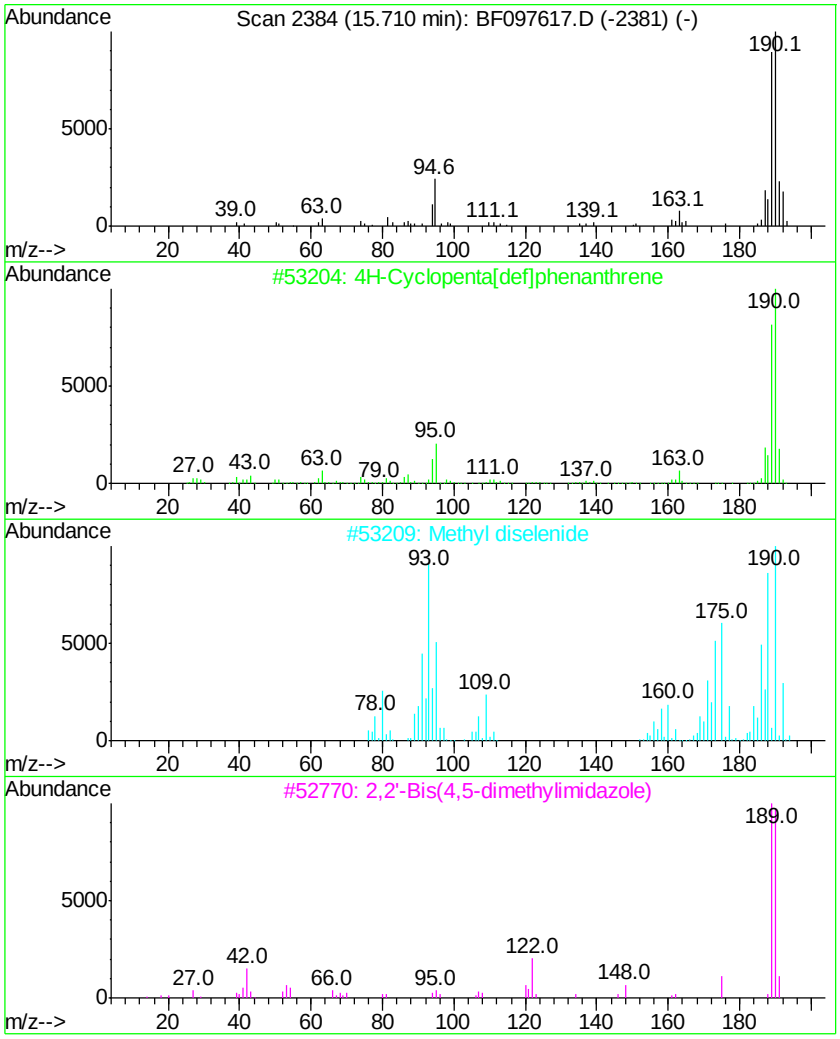
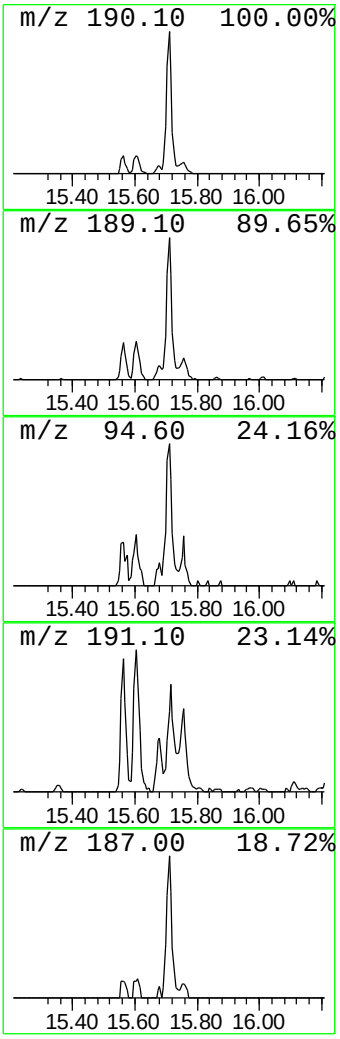
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	7.65 ng	192384	Phenanthrene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	36
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32





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Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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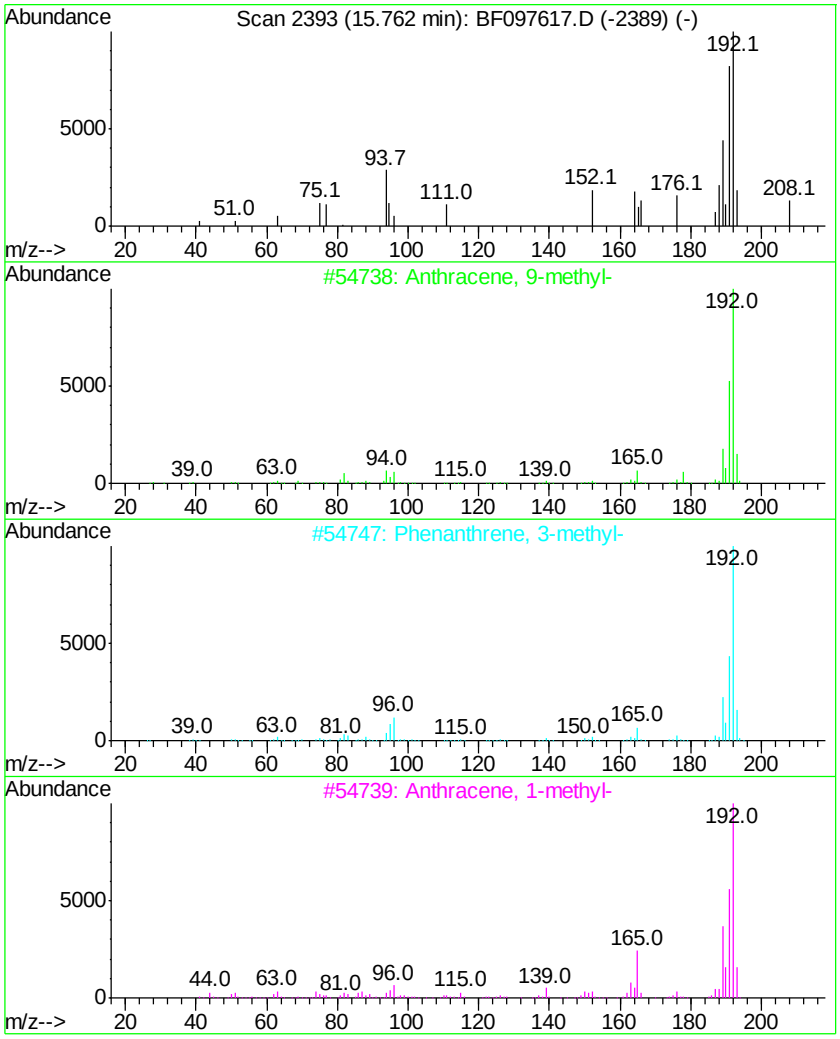
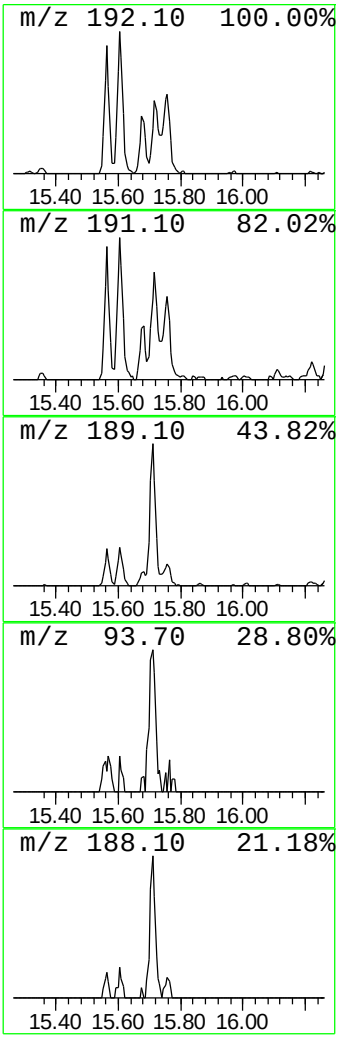
Peak Number 4 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	3.20 ng	80440	Phenanthrene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	62
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	59





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Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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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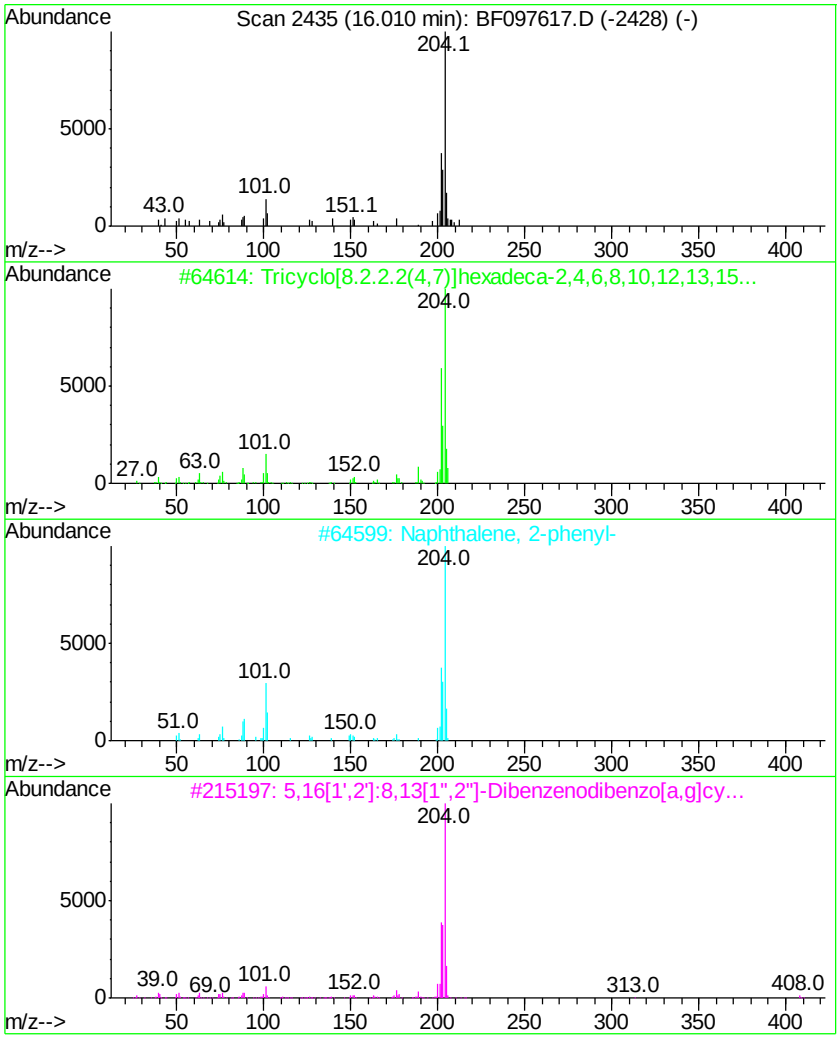
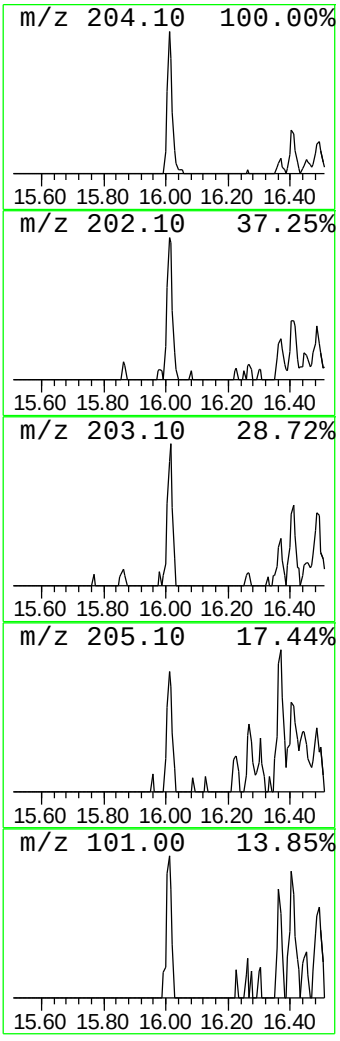
Peak Number 5 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.33 ng	58509	Phenanthrene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	Tetramisole	204	C11H12N2S	005036-02-2	58





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Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

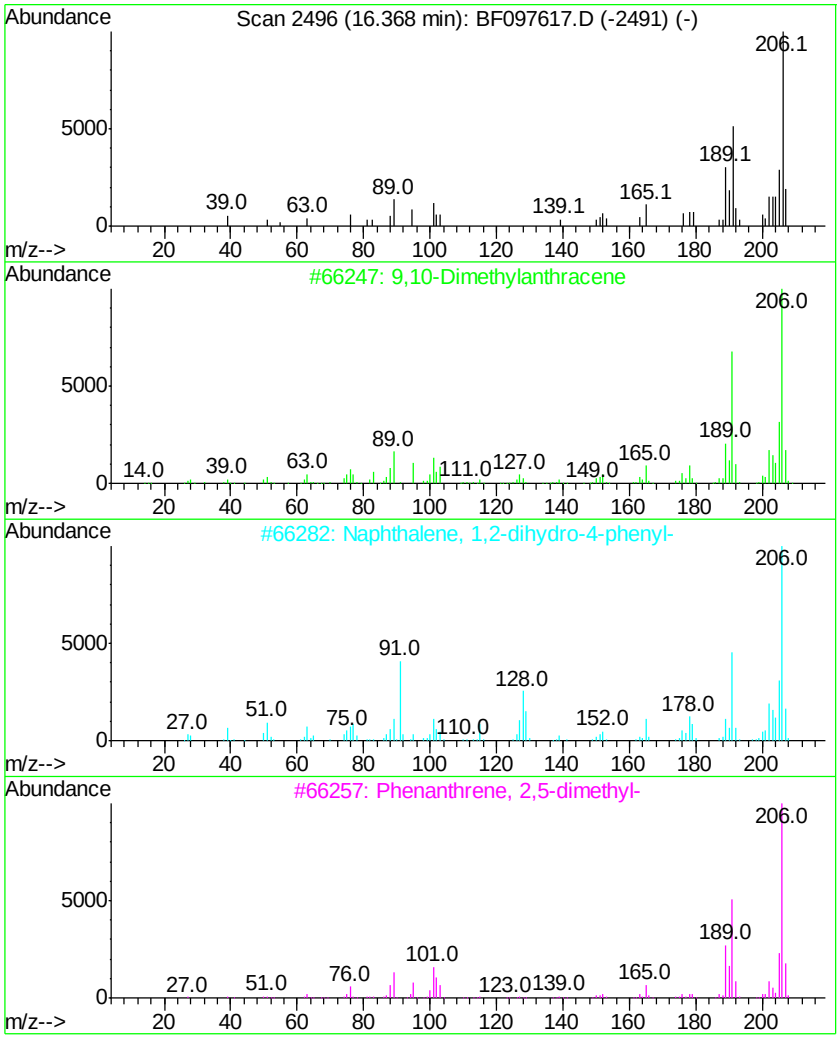
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

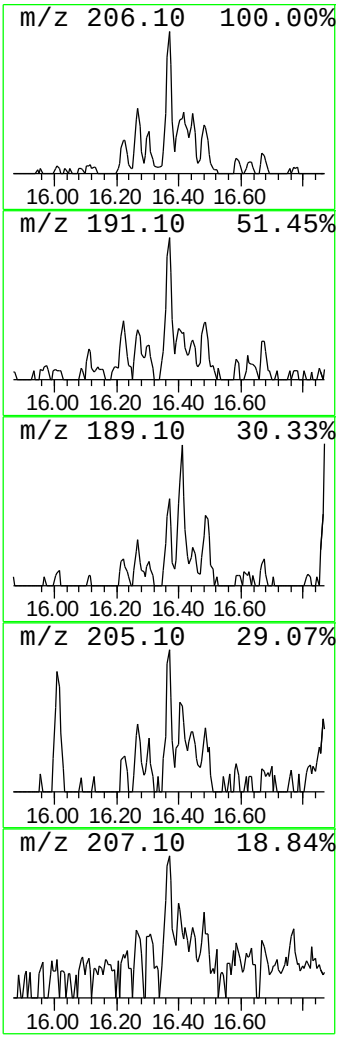
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	2.31 ng	58207	Phenanthrene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

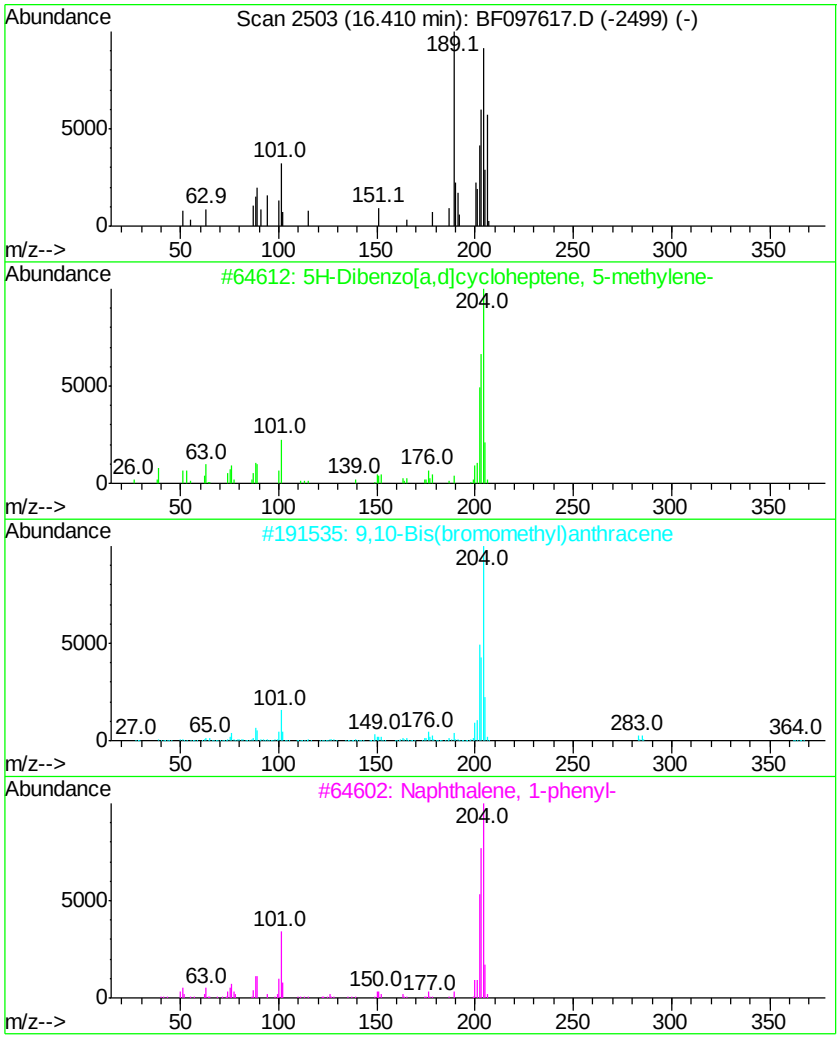
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

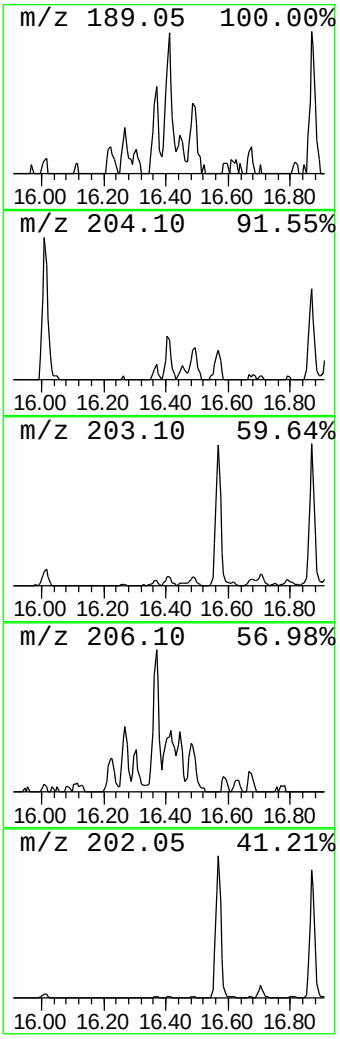
****

Peak Number 7 unknown16.41 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.01 ng	50533	Phenanthrene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
4	Levamisole	204	C11H12N2S	014769-73-4	27
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	27





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Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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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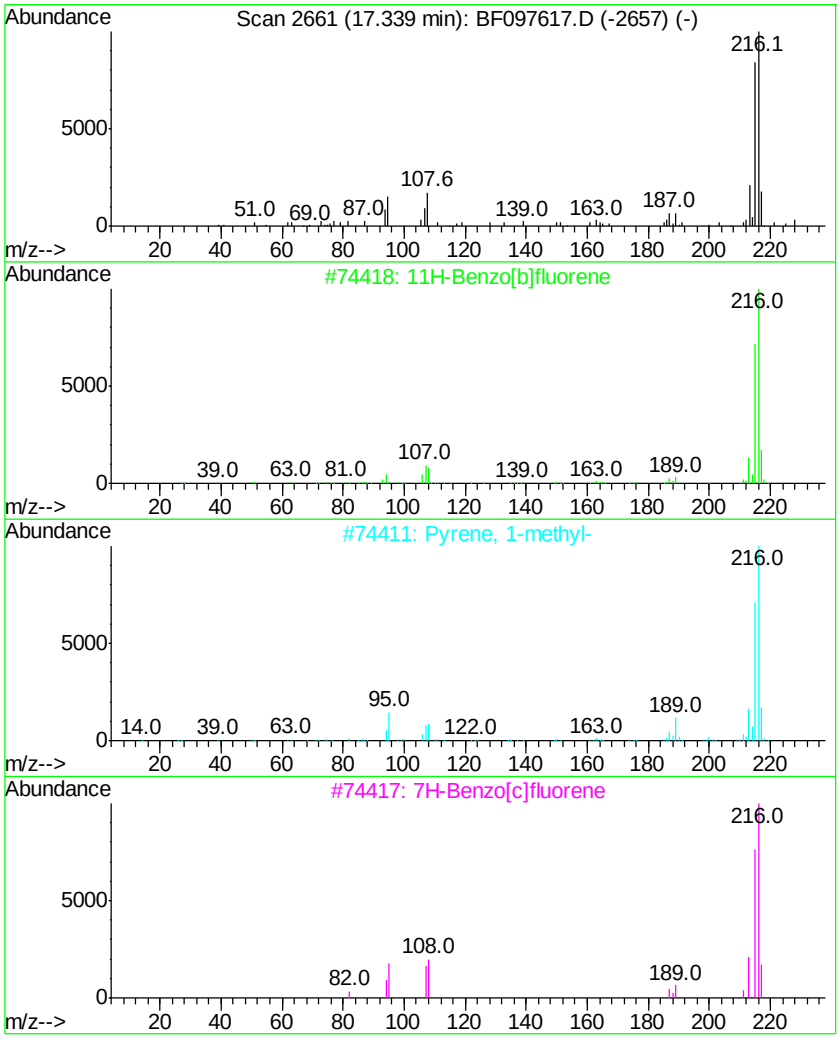
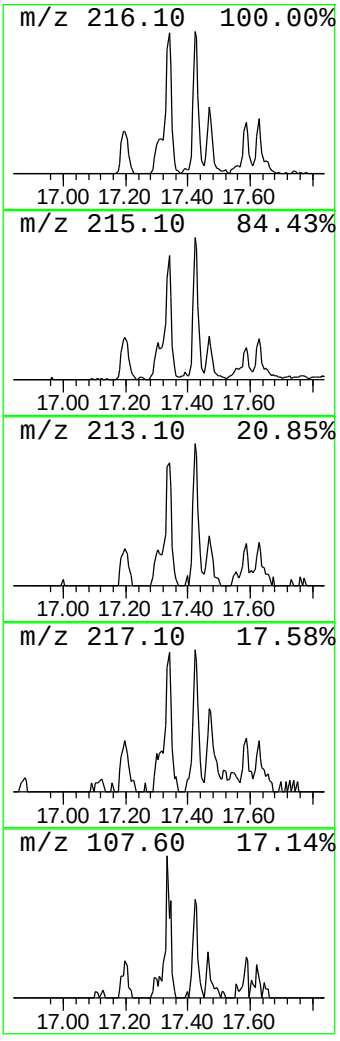
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	2.88 ng	124480	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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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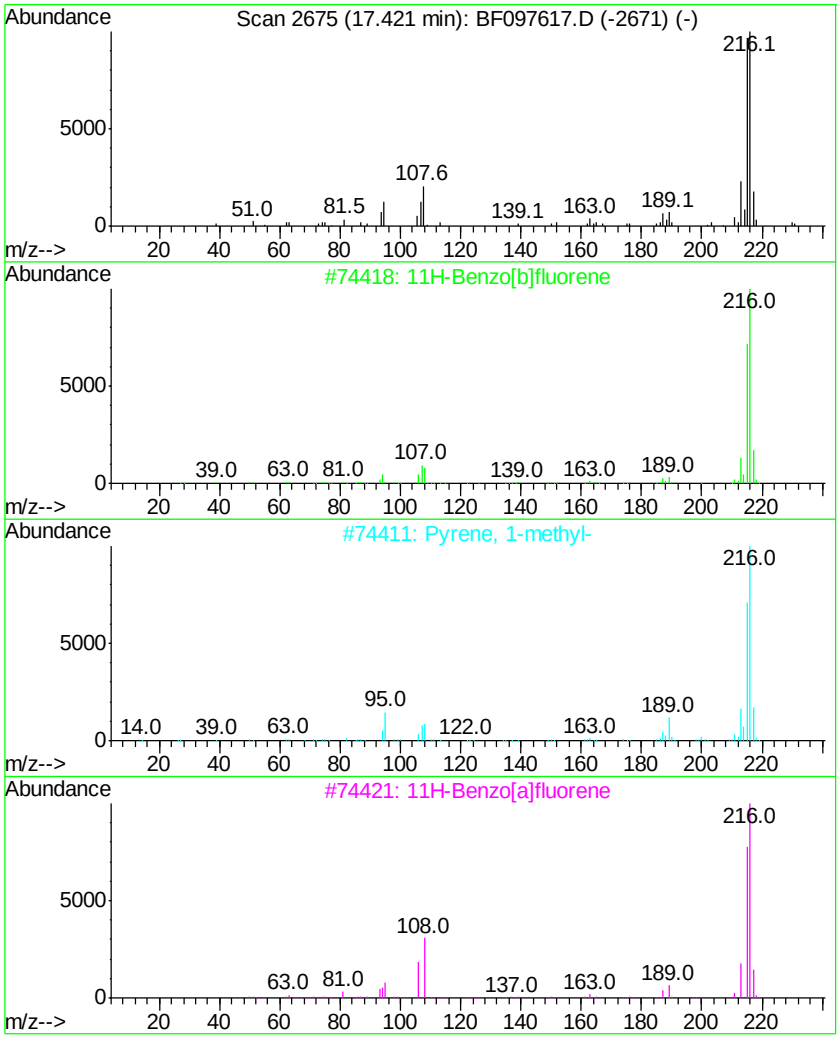
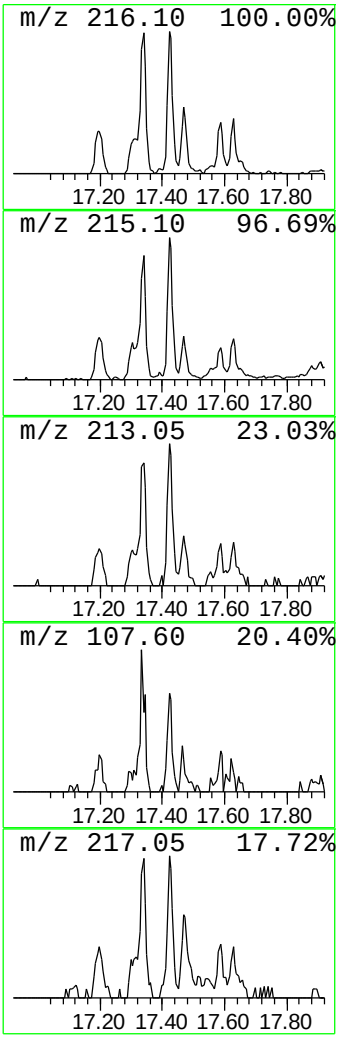
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	2.38 ng	102770	Chrysene-d12	18.46

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	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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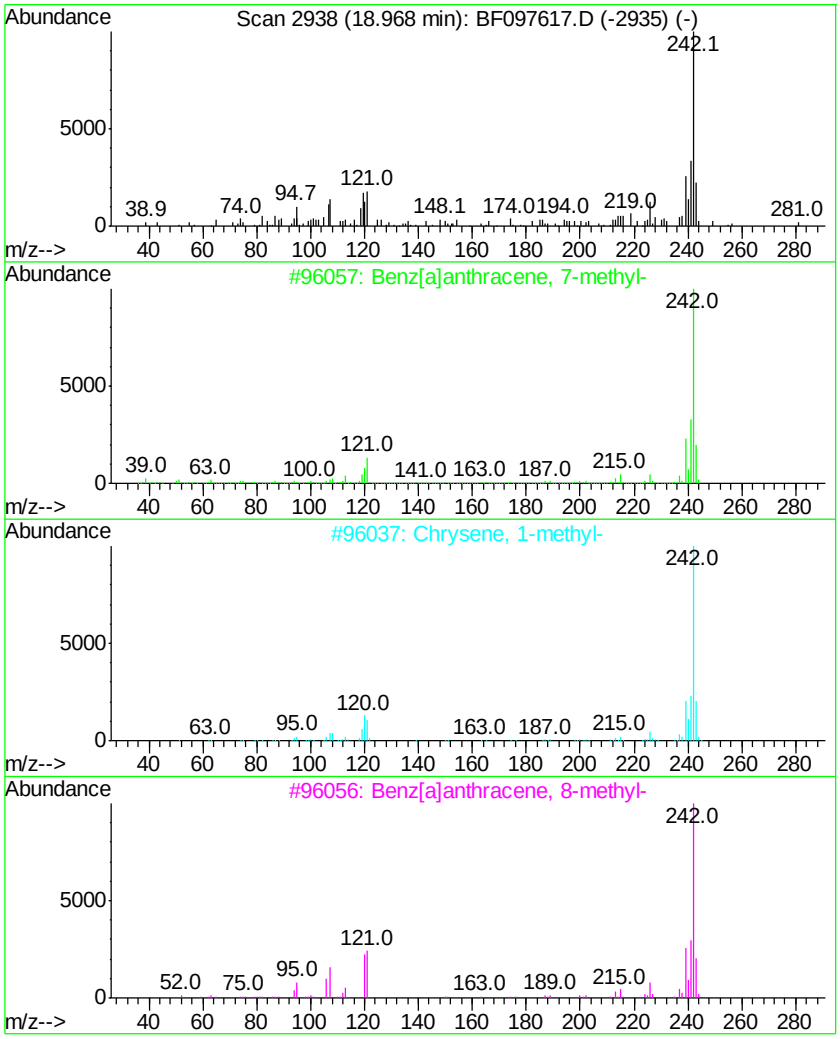
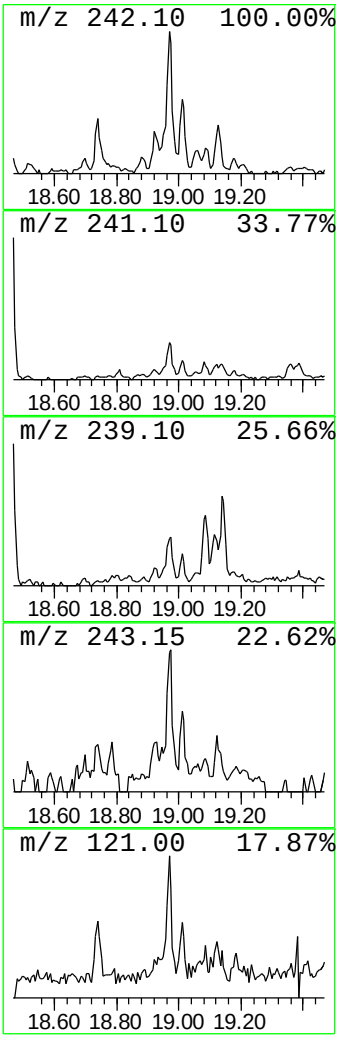
Peak Number 10 Benz[a]anthracene, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.10 ng	90912	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4	2-Methylchrysene	242	C19H14	003351-32-4	93
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	89





Library Search Compound Report

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Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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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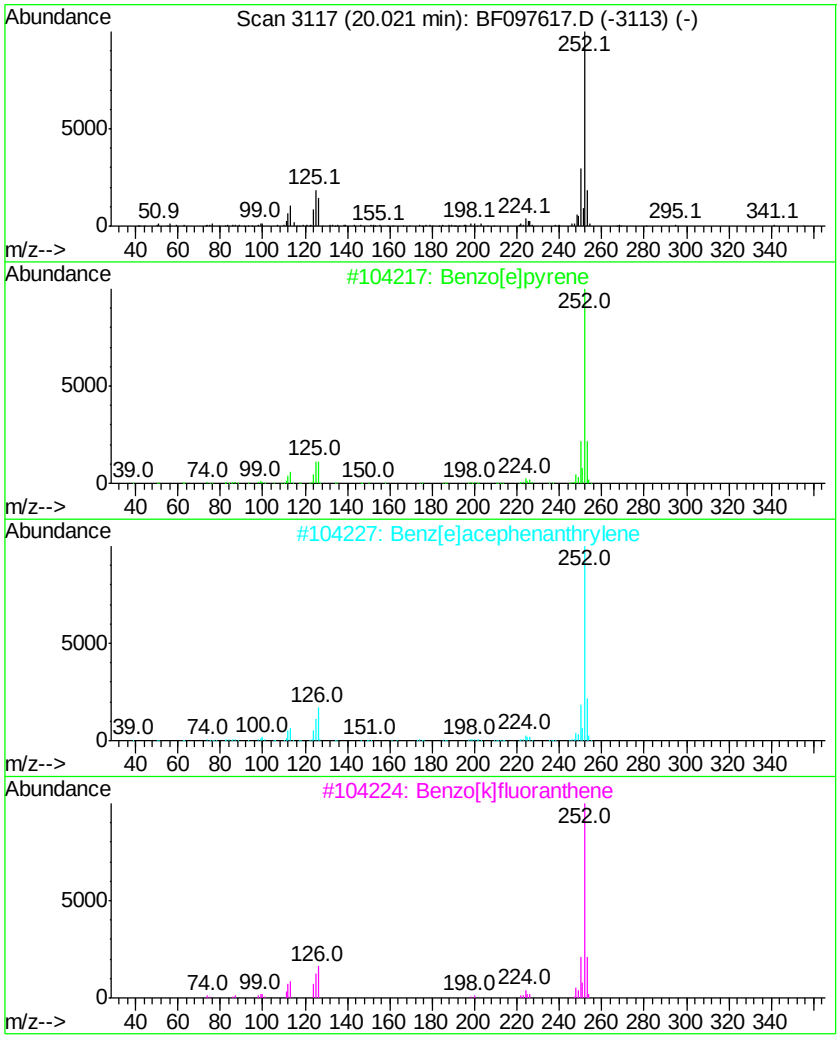
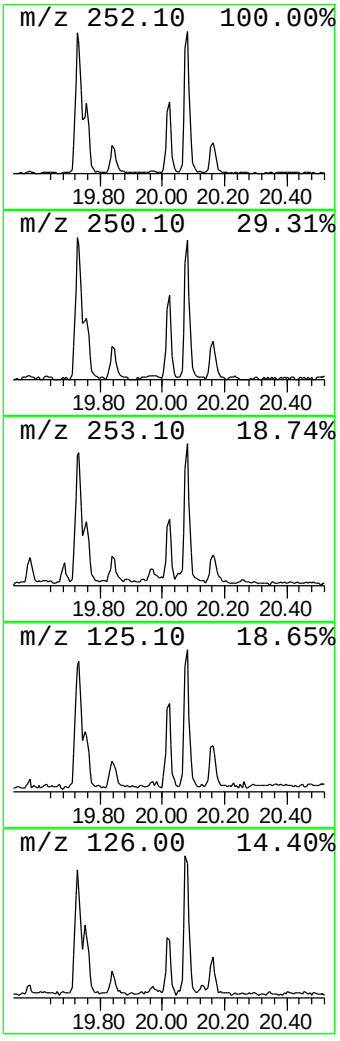
Peak Number 12 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	6.27 ng	138487	Perylene-d12	20.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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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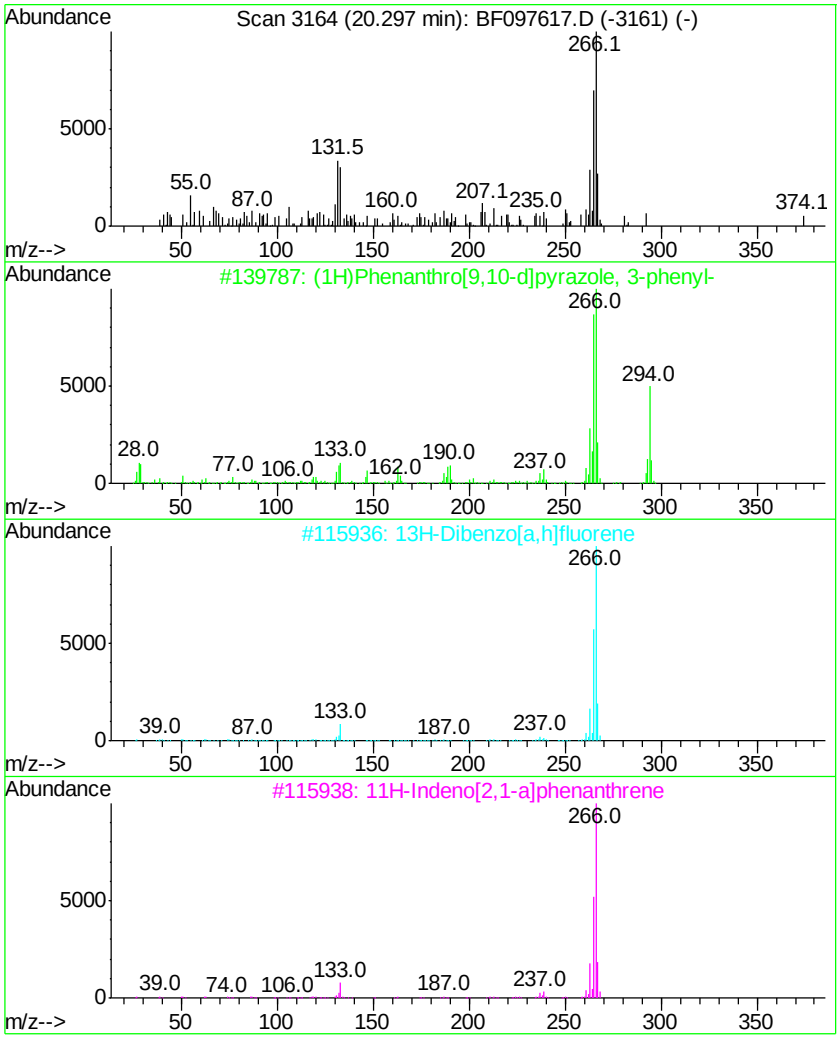
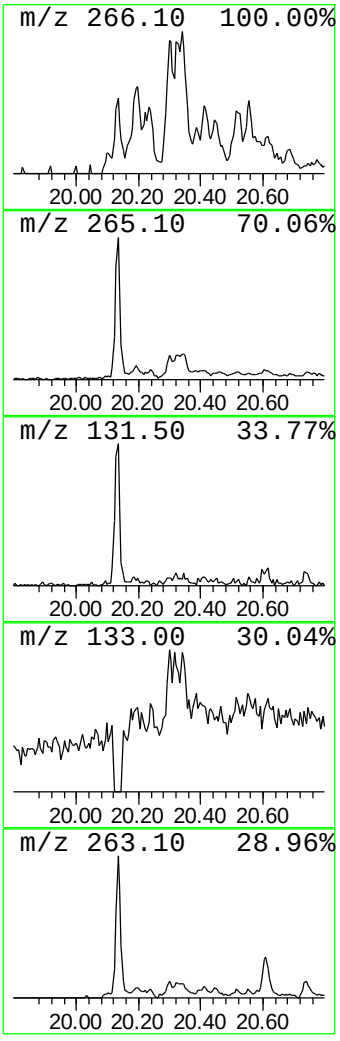
Peak Number 13 (1H)Phenanthro[9,10-d]pyraz... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	2.46 ng	54356	Perylene-d12	20.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	59
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	58
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	58
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	50
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081117\
Data File : BF097617.D
Acq On : 12 Aug 2017 3:20
Operator : SJ/JU
Sample : I4717-01 50X
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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
Phenanthrene, 2-m...	15.56	3.9	ng	98249	4	14.76	502983	20.0
Phenanthrene, 1-m...	15.60	4.5	ng	113126	4	14.76	502983	20.0
4H-Cyclopenta[def...	15.71	7.7	ng	192384	4	14.76	502983	20.0
Anthracene, 9-met...	15.76	3.2	ng	80440	4	14.76	502983	20.0
Tricyclo[8.2.2.2(...	16.01	2.3	ng	58509	4	14.76	502983	20.0
9,10-Dimethylanth...	16.37	2.3	ng	58207	4	14.76	502983	20.0
unknown16.41	16.41	2.0	ng	50533	4	14.76	502983	20.0
11H-Benzo[b]fluorene	17.34	2.9	ng	124480	5	18.46	863823	20.0
Pyrene, 1-methyl-	17.42	2.4	ng	102770	5	18.46	863823	20.0
Benz[a]anthracene...	18.97	2.1	ng	90912	5	18.46	863823	20.0
Benzo[e]pyrene	20.02	6.3	ng	138487	6	20.13	441947	20.0
(1H)Phenanthro[9,...	20.30	2.5	ng	54356	6	20.13	441947	20.0