LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096059.D
Acq On : 20 Jun 2017 22:56
Operator : SJ/MA
Sample : I3782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK4-1-20170619

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-BF060517.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	1.551	9	11	37	rBV	399643	763187	46.12%	3.770%
2	4.463	502	506	525	rBV	71317	200181	12.10%	0.989%
3	5.187	625	629	654	rBV	638897	1416022	85.57%	6.995%
4	6.792	899	902	911	rBV	12131	22543	1.36%	0.111%
5	6.869	911	915	925	rBV	762565	1270040	76.75%	6.274%
6	6.951	925	929	944	rVB	980224	1654800	100.00%	8.174%
7	7.292	982	987	997	rBV	286859	389671	23.55%	1.925%
8	7.528	1022	1027	1043	rBV	807414	1063407	64.26%	5.253%
9	8.210	1139	1143	1162	rBV	532887	797248	48.18%	3.938%
10	9.322	1328	1332	1345	rBV	373415	536665	32.43%	2.651%
11	10.492	1528	1531	1537	rBV	12261	18263	1.10%	0.090%
12	11.104	1629	1635	1649	rBV	1127859	1358757	82.11%	6.712%
13	11.739	1739	1743	1749	rBV2	16639	24989	1.51%	0.123%
14	11.798	1749	1753	1760	rVV	175211	212391	12.83%	1.049%
15	11.915	1769	1773	1782	rVB	98652	133774	8.08%	0.661%
16	12.145	1806	1812	1817	rBV2	370188	468071	28.29%	2.312%
17	12.192	1817	1820	1827	rVB2	53755	69915	4.22%	0.345%
18	12.492	1867	1871	1878	rVB2	19728	27819	1.68%	0.137%
19	12.698	1902	1906	1912	rBV3	10286	17724	1.07%	0.088%
20	13.004	1948	1958	1961	rBV2	30320	48189	2.91%	0.238%
21	13.039	1961	1964	1971	rVB	38424	58500	3.54%	0.289%
22	13.445	2028	2033	2049	rBV	477557	677419	40.94%	3.346%
23	13.774	2084	2089	2095	rBV	28530	48912	2.96%	0.242%
24	13.939	2111	2117	2120	rBV3	10667	19338	1.17%	0.096%
25	14.168	2150	2156	2159	rBV5	13116	21286	1.29%	0.105%
26	14.268	2170	2173	2179	rVB	17231	21588	1.30%	0.107%
27	14.368	2187	2190	2195	rVB2	16795	22944	1.39%	0.113%
28	14.504	2207	2213	2215	rBV2	17105	23662	1.43%	0.117%
29	14.539	2215	2219	2222	rVV	337727	420332	25.40%	2.076%
30	14.574	2222	2225	2233	rVB	376144	446935	27.01%	2.208%
31	14.662	2235	2240	2247	rVV	125351	167210	10.10%	0.826%
32	14.974	2290	2293	2296	rBV	23241	26467	1.60%	0.131%
33	15.345	2352	2356	2360	rBV	68082	74331	4.49%	0.367%
34	15.392	2360	2364	2369	rVB	73126	91791	5.55%	0.453%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I3782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK4-1-20170619

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-BF060517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.462	2369	2376	2379	rBV	42613	60095	3.63%	0.297%
36	15.498	2379	2382	2386	rVV2	88185	125234	7.57%	0.619%
37	15.539	2386	2389	2391	rVV	51817	71166	4.30%	0.352%
38	15.568	2391	2394	2401	rVB3	68722	94352	5.70%	0.466%
39	15.703	2414	2417	2423	rBV6	9761	19337	1.17%	0.096%
40	15.798	2430	2433	2442	rVB	47051	66290	4.01%	0.327%
41	15.868	2442	2445	2449	rBV2	29933	40542	2.45%	0.200%
42	16.015	2465	2470	2473	rBV2	22787	30627	1.85%	0.151%
43	16.062	2474	2478	2481	rVB2	22585	25639	1.55%	0.127%
44	16.098	2481	2484	2487	rVB2	15202	18120	1.09%	0.090%
45	16.162	2490	2495	2498	rBV	72434	90102	5.44%	0.445%
46	16.203	2498	2502	2506	rVV3	35873	56566	3.42%	0.279%
47	16.239	2506	2508	2511	rVB2	17966	20693	1.25%	0.102%
48	16.286	2511	2516	2521	rVB3	50106	70371	4.25%	0.348%
49	16.362	2524	2529	2535	rBV	573910	687025	41.52%	3.394%
50	16.415	2535	2538	2543	rVB5	21979	28759	1.74%	0.142%
51	16.468	2543	2547	2549	rBV3	26901	38022	2.30%	0.188%
52	16.498	2549	2552	2556	rVB	54262	63357	3.83%	0.313%
53	16.562	2559	2563	2567	rBV3	19802	32750	1.98%	0.162%
54	16.668	2576	2581	2587	rBV	715995	807749	48.81%	3.990%
55	16.745	2591	2594	2595	rBV3	20039	19447	1.18%	0.096%
56	16.792	2599	2602	2608	rVB5	17391	30247	1.83%	0.149%
57	16.862	2611	2614	2617	rBV2	47641	48798	2.95%	0.241%
58	16.921	2619	2624	2630	rVB	877488	1003784	60.66%	4.959%
59	16.998	2631	2637	2641	rBV2	51383	77205	4.67%	0.381%
60	17.115	2650	2657	2659	rBV3	68932	132339	8.00%	0.654%
61	17.139	2659	2661	2666	rVB	81629	96936	5.86%	0.479%
62	17.198	2667	2671	2672	rBV3	21516	23544	1.42%	0.116%
63	17.227	2673	2676	2680	rVB2	56110	57362	3.47%	0.283%
64	17.274	2680	2684	2691	rBV2	89308	155192	9.38%	0.767%
65	17.362	2696	2699	2700	rVV3	18413	21062	1.27%	0.104%
66	17.386	2700	2703	2707	rVV	69753	82583	4.99%	0.408%
67	17.427	2707	2710	2716	rVV2	38668	50242	3.04%	0.248%
68	17.486	2717	2720	2725	rVB6	27611	36553	2.21%	0.181%
69	17.574	2733	2735	2741	rBV7	11831	21094	1.27%	0.104%
70	17.639	2743	2746	2748	rBV4	18795	25685	1.55%	0.127%
71	17.833	2776	2779	2783	rVB	45526	52390	3.17%	0.259%

LSC Area Percent Report

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Sample : I3782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK4-1-20170619

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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72	17.945	2794	2798	2800	rBV2	47540	54047	3.27%	0.267%
73	17.974	2800	2803	2806	rVV	68341	73853	4.46%	0.365%
74	18.009	2806	2809	2812	rVV	35228	38687	2.34%	0.191%
75	18.044	2813	2815	2820	rVB	40434	44670	2.70%	0.221%
76	18.109	2823	2826	2833	rVB2	47390	67009	4.05%	0.331%
77	18.186	2834	2839	2846	rVB6	63515	117746	7.12%	0.582%
78	18.262	2847	2852	2856	rBV2	466007	781887	47.25%	3.862%
79	18.303	2856	2859	2871	rVV2	271487	394918	23.86%	1.951%
80	18.397	2871	2875	2879	rVB2	47366	58600	3.54%	0.289%
81	18.486	2888	2890	2897	rVB3	23210	35673	2.16%	0.176%
82	18.597	2906	2909	2914	rVB4	37427	48315	2.92%	0.239%
83	18.774	2936	2939	2943	rVV	90670	110880	6.70%	0.548%
84	18.821	2943	2947	2950	rVB	45442	55374	3.35%	0.274%
85	18.927	2962	2965	2968	rBV3	30864	45837	2.77%	0.226%
86	19.539	3065	3069	3072	rBV	261494	347972	21.03%	1.719%
87	19.650	3085	3088	3092	rBV2	58817	63860	3.86%	0.315%
88	19.827	3115	3118	3122	rBV	156784	167407	10.12%	0.827%
89	19.886	3125	3128	3132	rBV	196860	223145	13.48%	1.102%
90	19.944	3134	3138	3141	rBV	207590	238143	14.39%	1.176%
91	21.103	3332	3335	3341	rVB2	98450	136795	8.27%	0.676%
92	21.433	3387	3391	3400	rVB	84343	142992	8.64%	0.706%

Sum of corrected areas: 20243440

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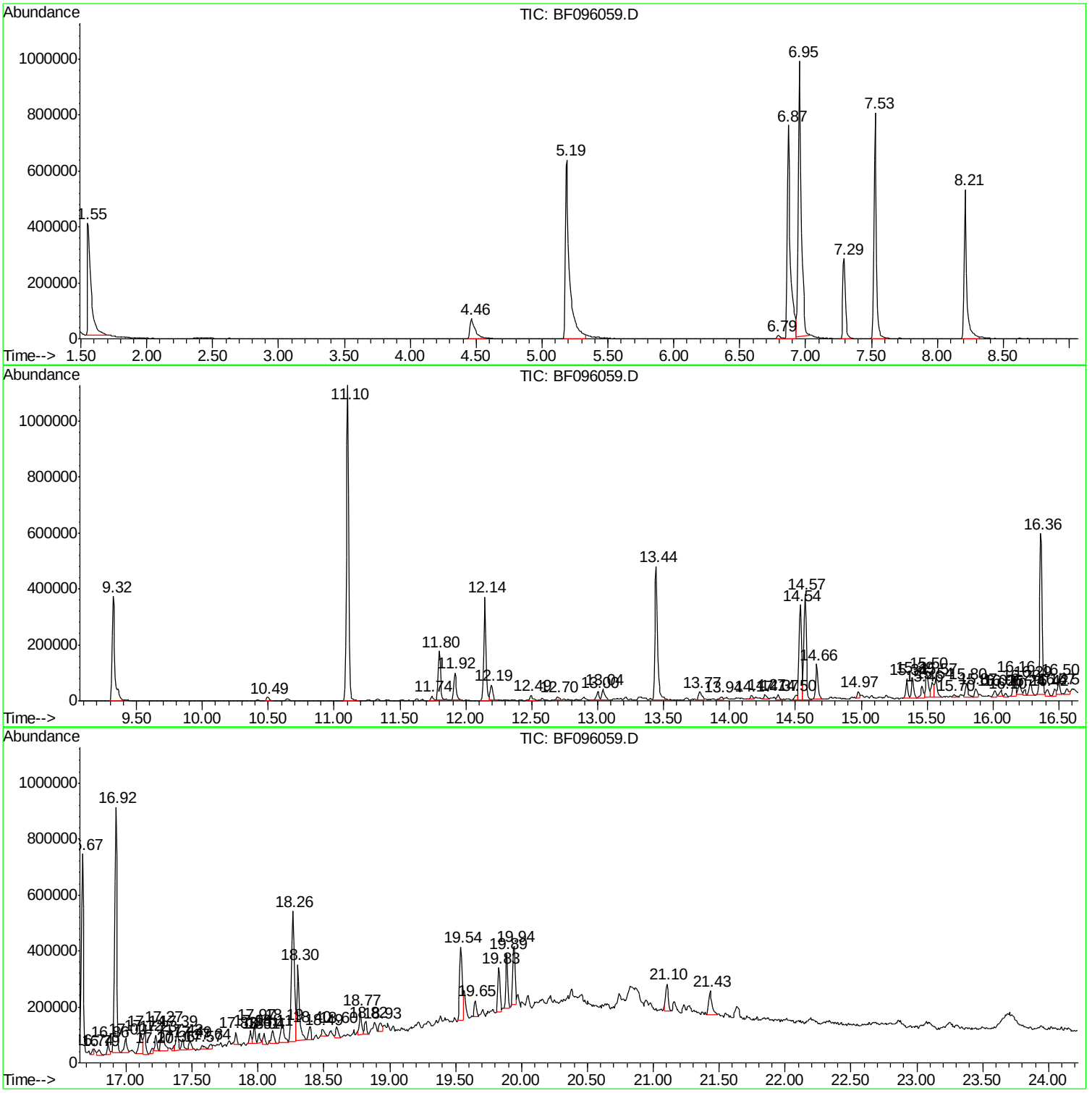
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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\BF062017\
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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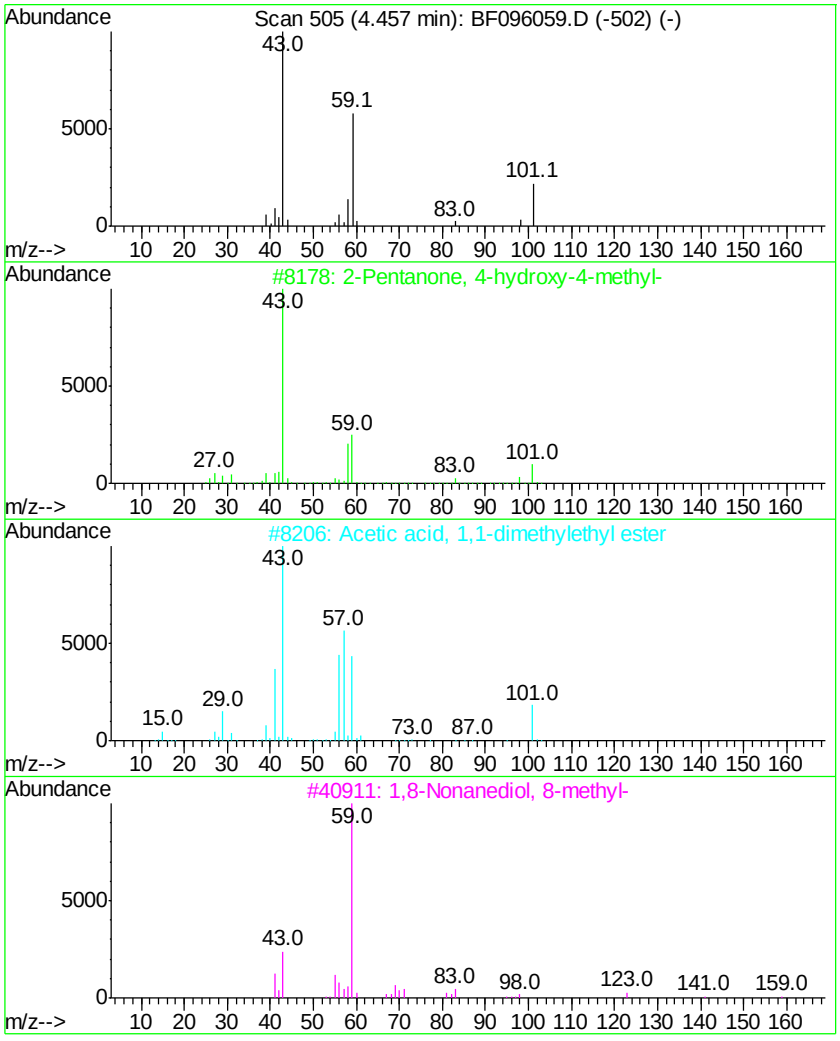
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

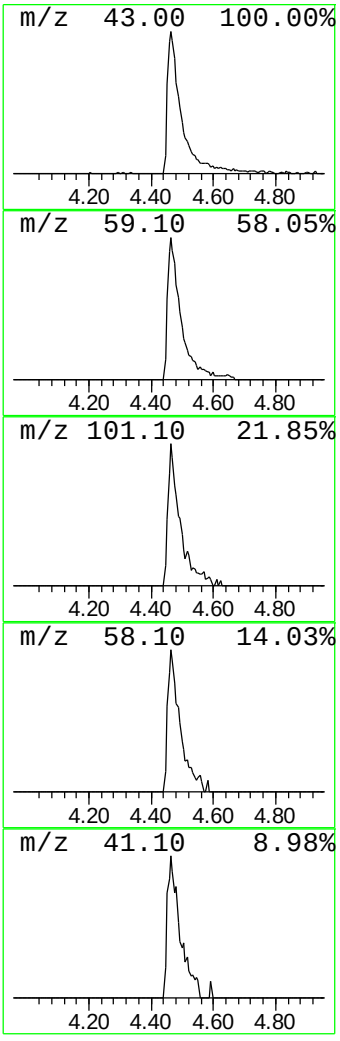
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	10.27 ng	200181	1,4-Dichlorobenzene-d4	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Sample : I3782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK4-1-20170619

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

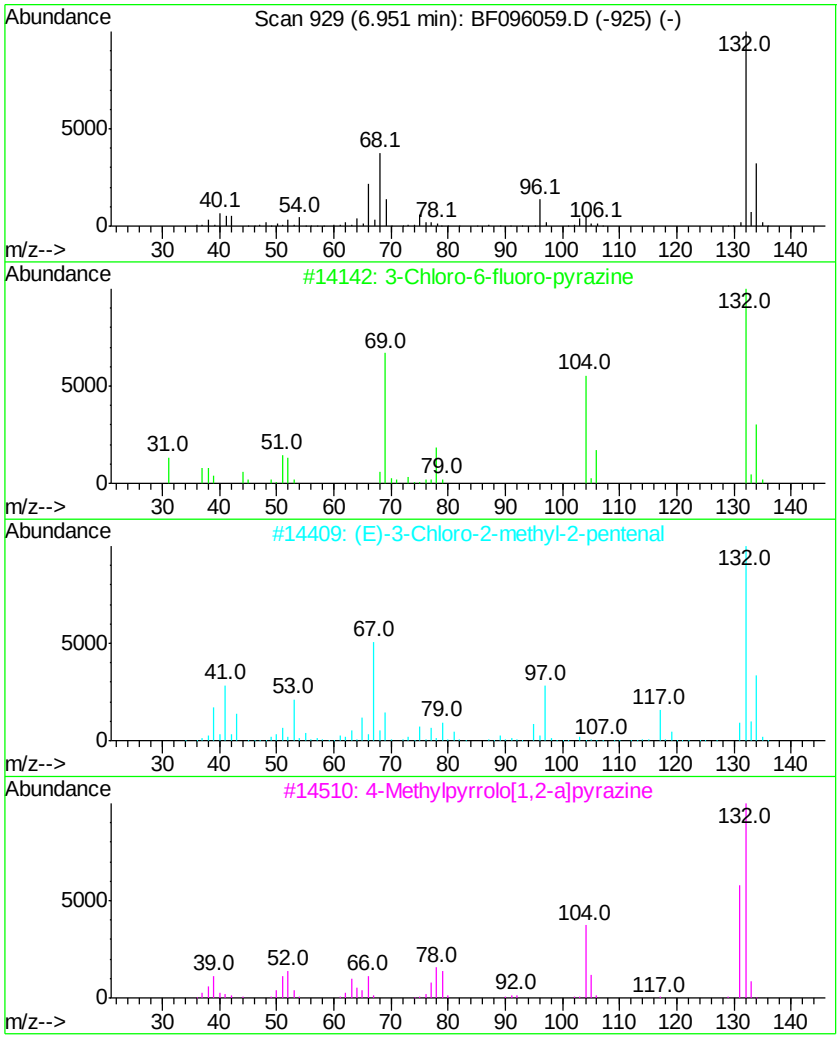
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

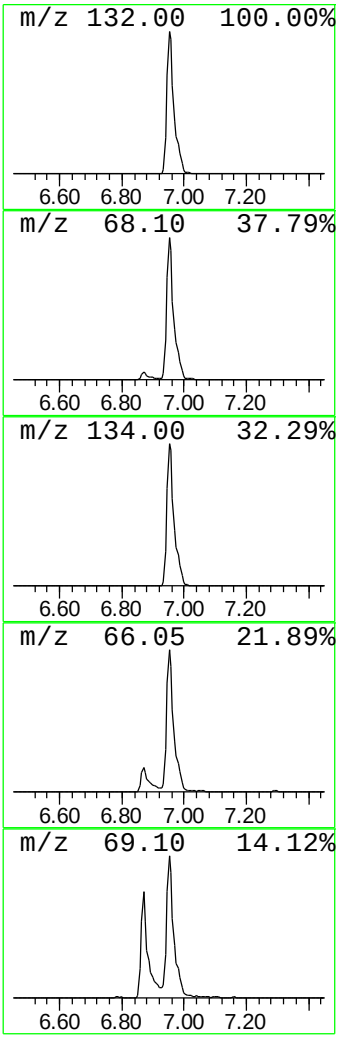
****

Peak Number 3 unknown6.95 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	84.93 ng	1654800	1,4-Dichlorobenzene-d4	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	1-Aminoindan	133	C9H11N	034698-41-4	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

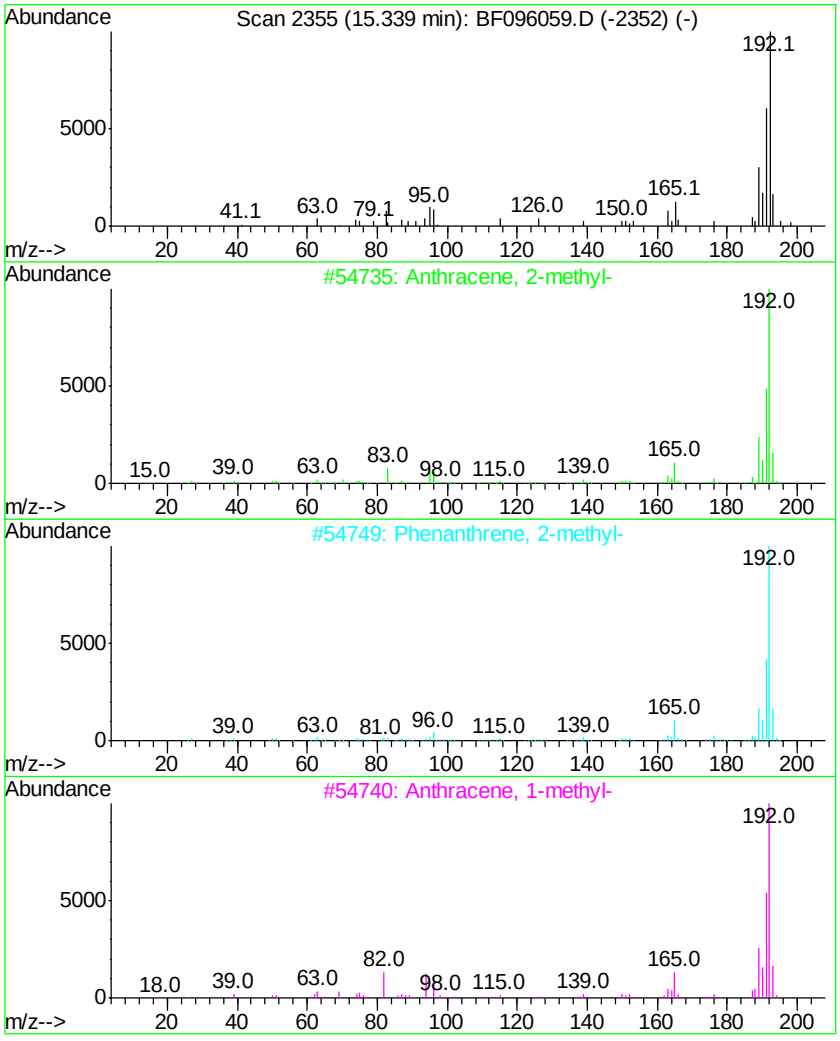
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

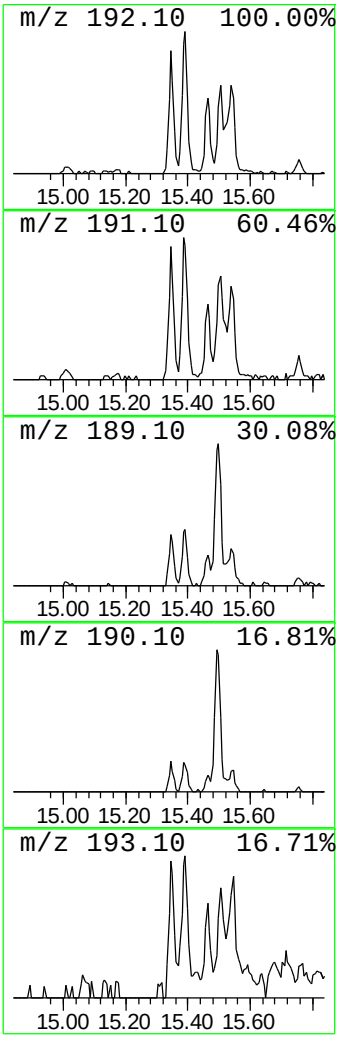
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	3.54 ng	74331	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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TIC Library : C:\DATABASE\NIST11.L
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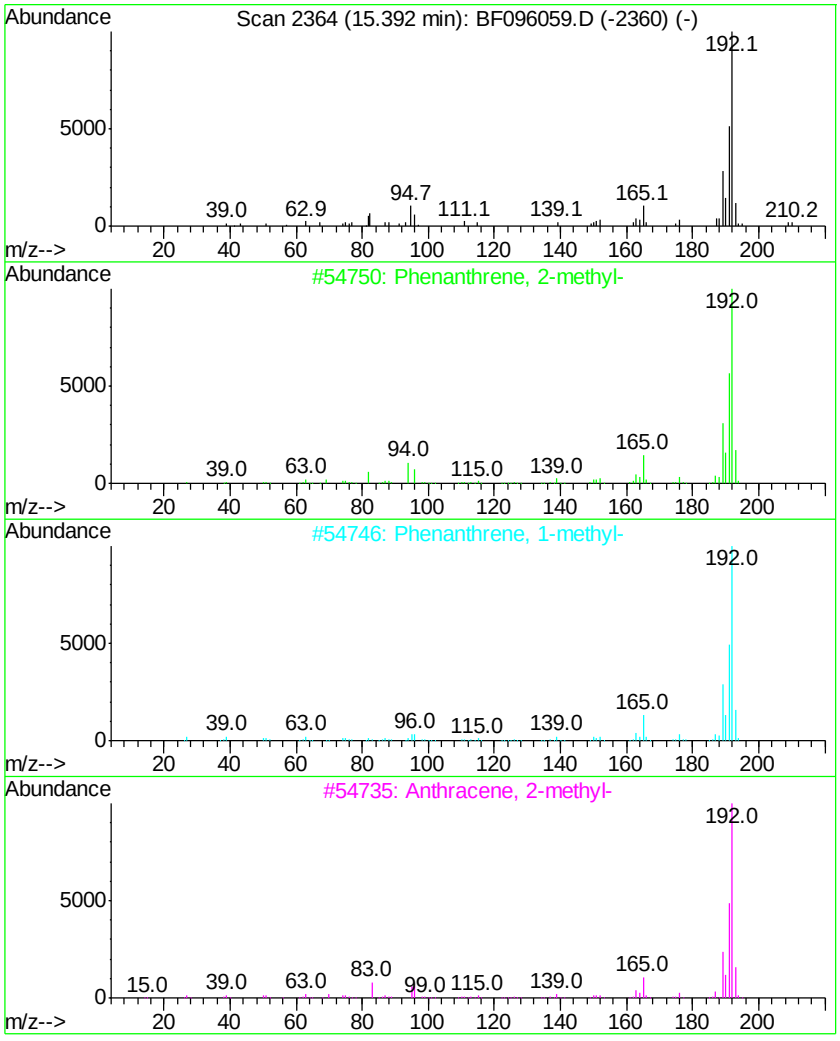
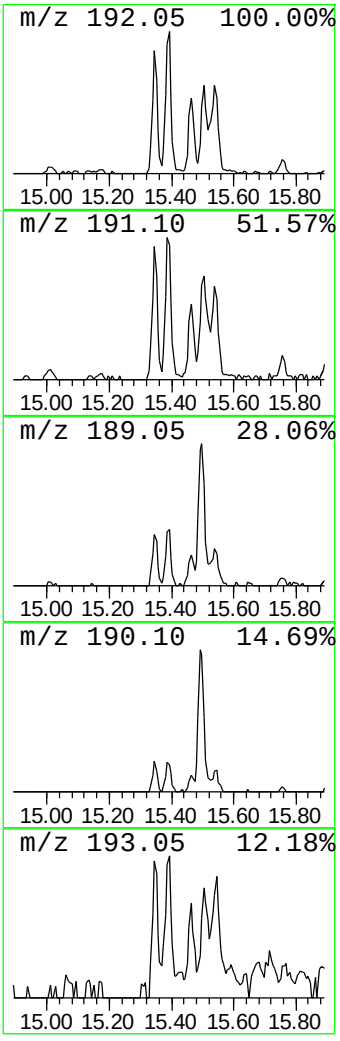
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	4.37 ng	91791	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : I3782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK4-1-20170619

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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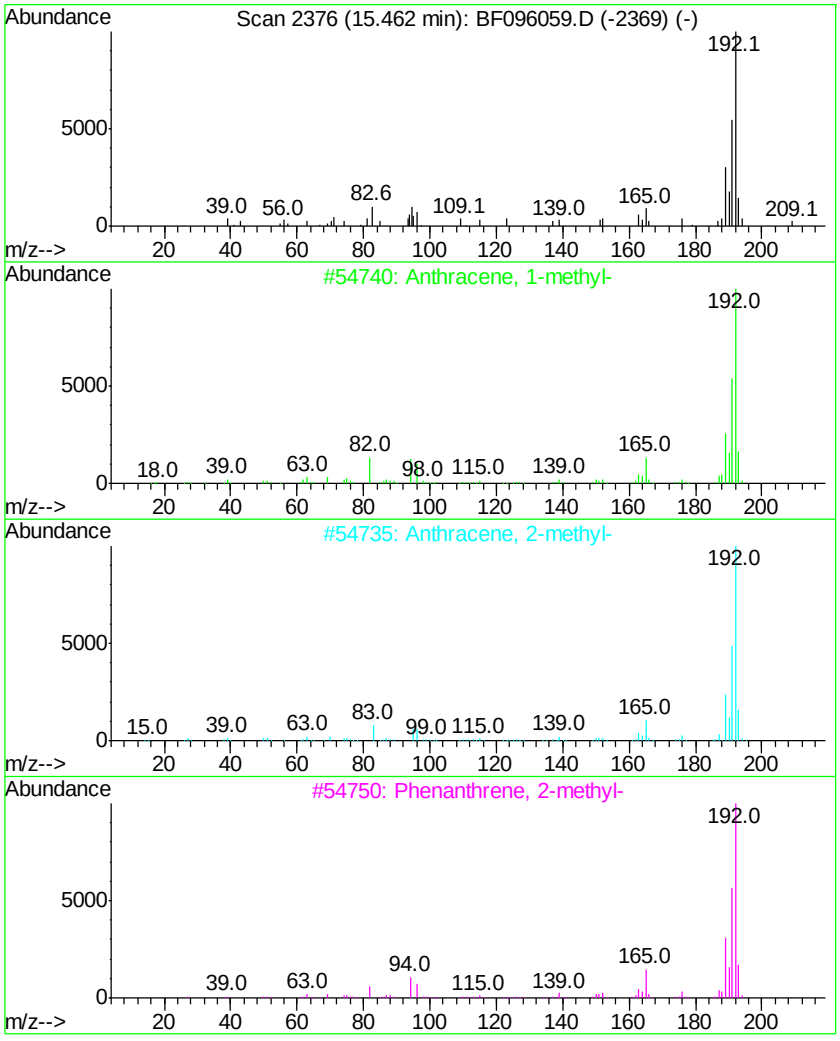
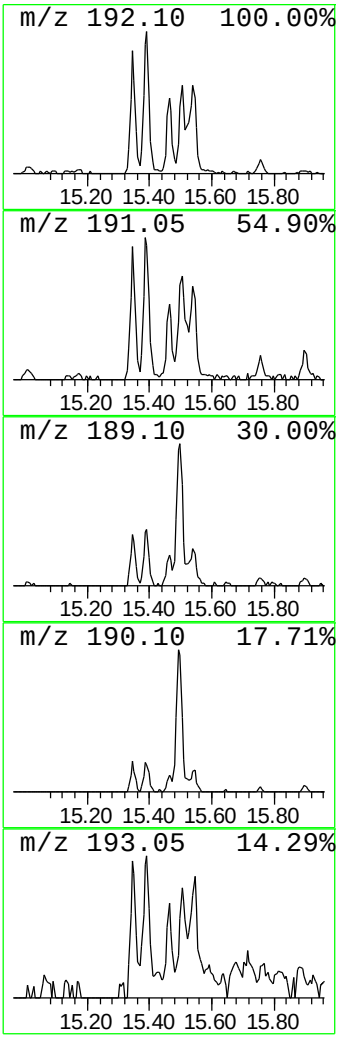
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.86 ng	60095	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





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Operator : SJ/MA
Sample : I3782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK4-1-20170619

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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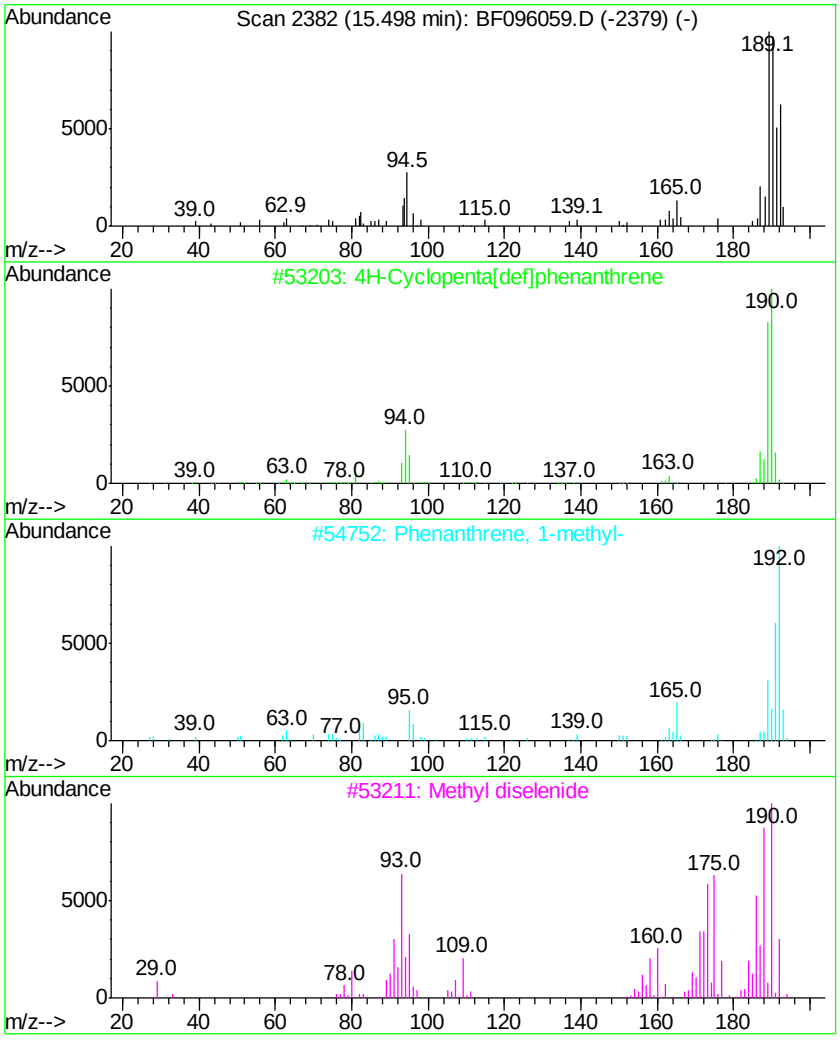
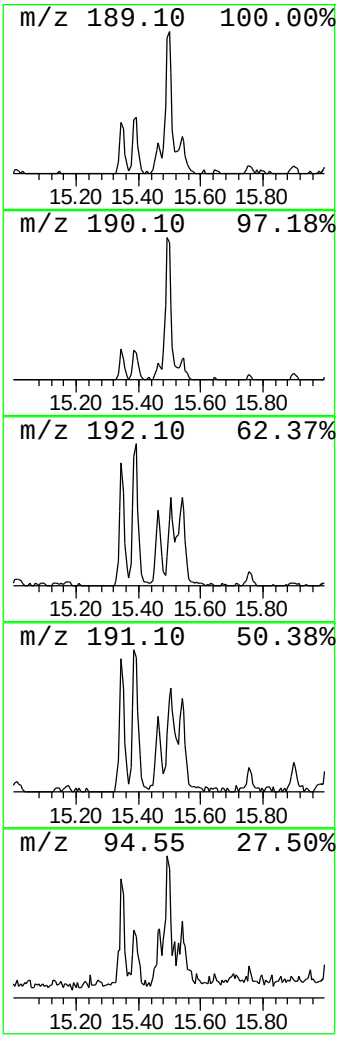
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	5.96 ng	125234	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
3	Methyl diselenide	190	C2H6Se2	007101-31-7	27
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	18





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Sample : I3782-01
Misc :
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ClientSampleId : TK4-1-20170619

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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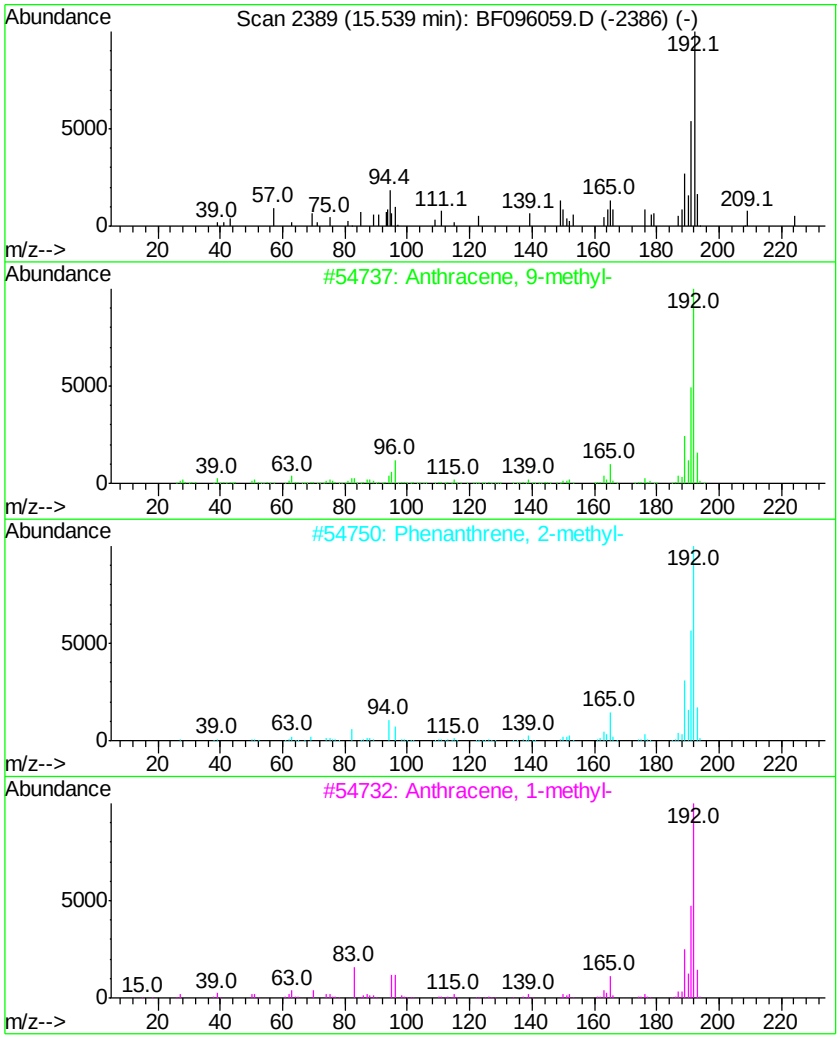
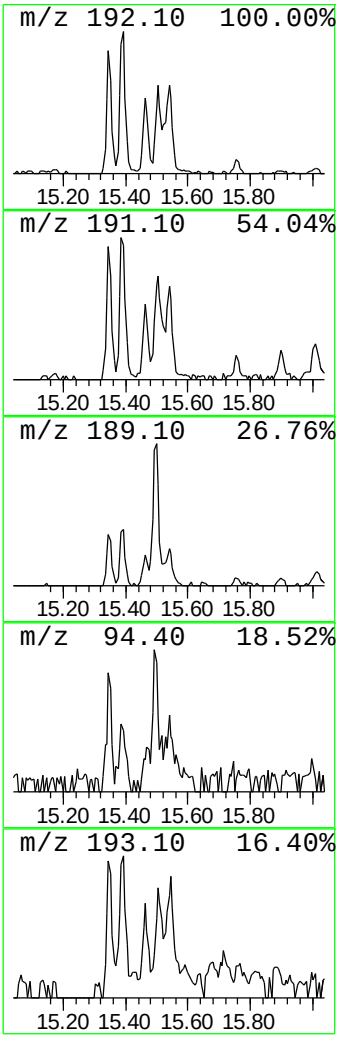
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	3.39 ng	71166	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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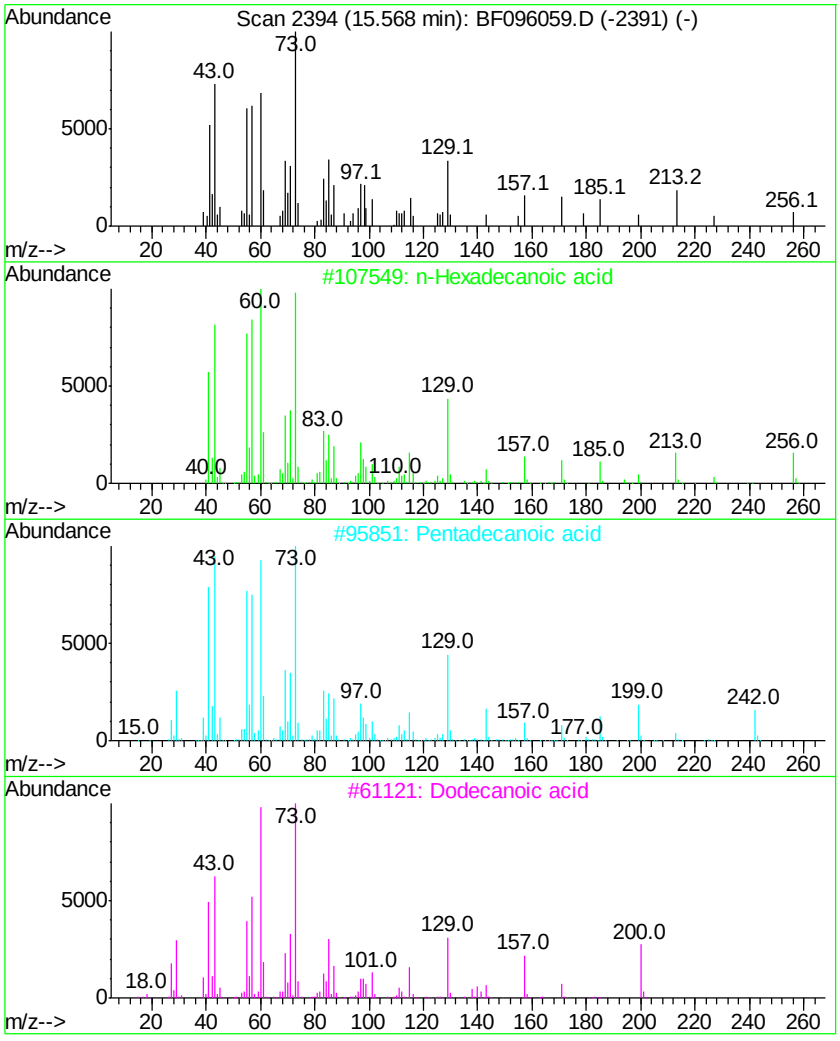
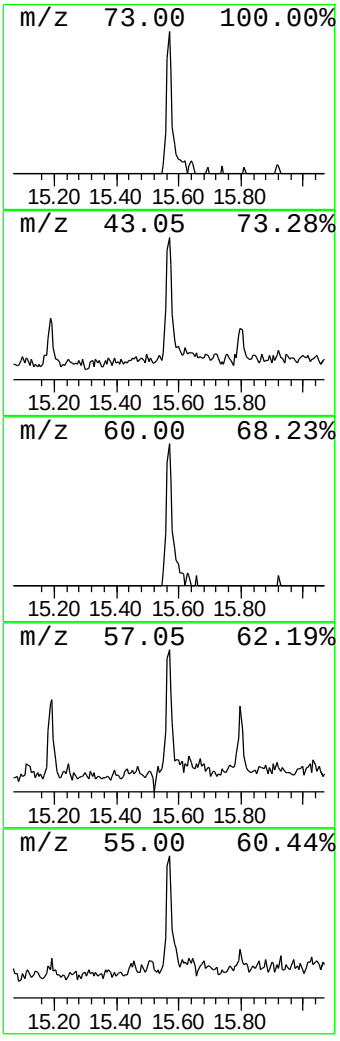
Peak Number 10 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	4.49 ng	94352	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
3	Dodecanoic acid	200	C12H24O2	000143-07-7	53
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5	Undecanoic acid	186	C11H22O2	000112-37-8	53





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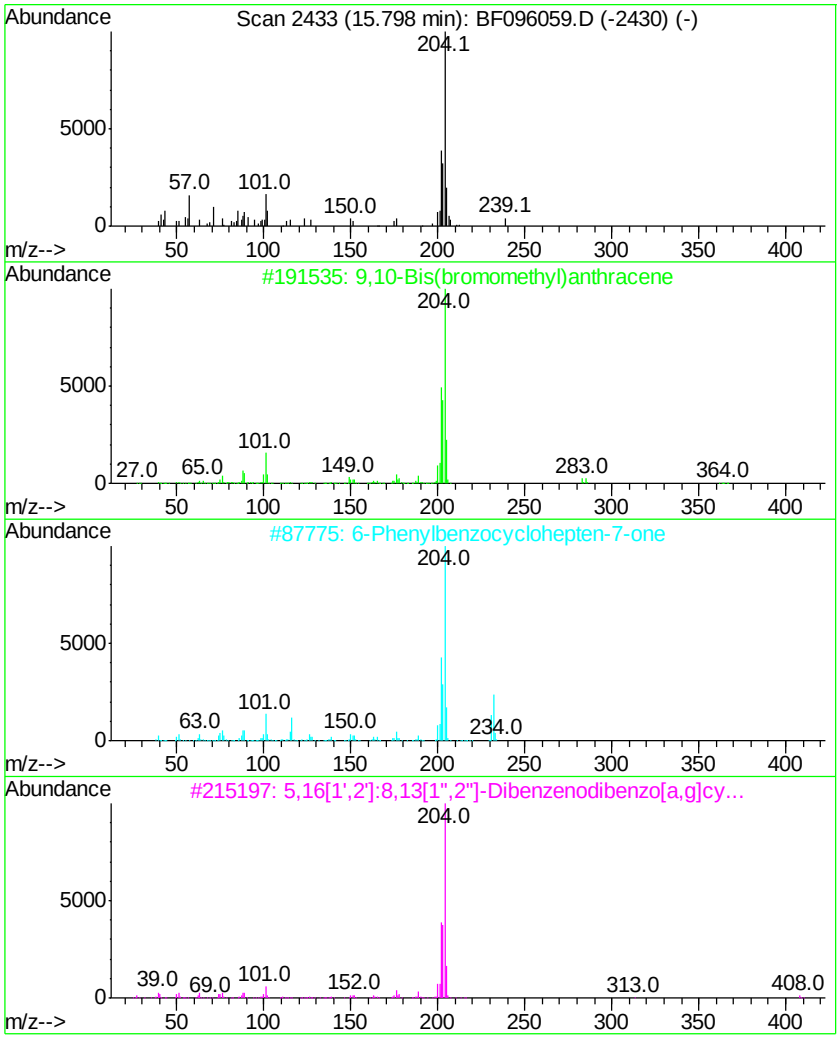
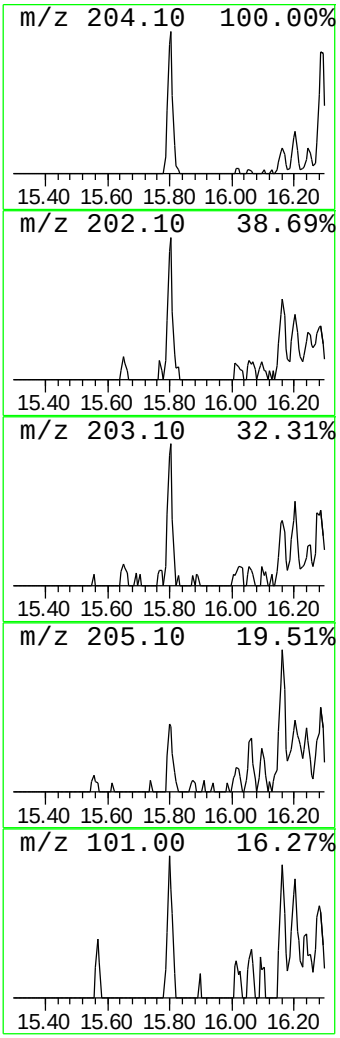
Peak Number 11 9,10-Bis(bromomethyl)anthra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	3.15 ng	66290	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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TIC Library : C:\DATABASE\NIST11.L
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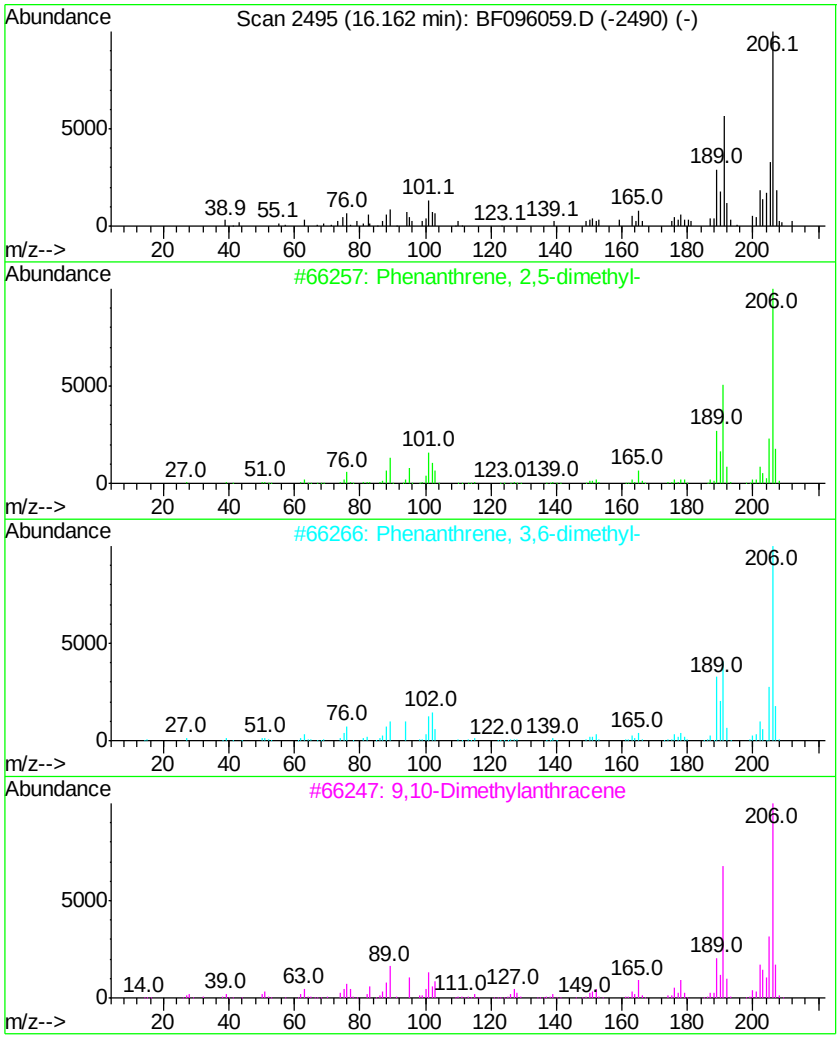
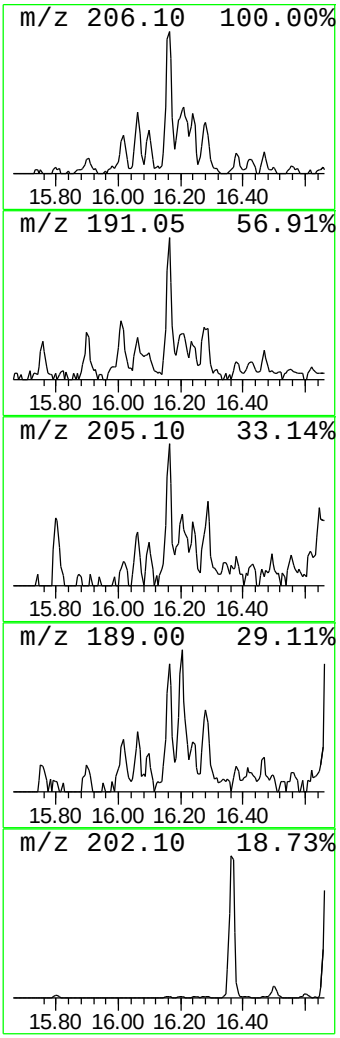
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	4.29 ng	90102	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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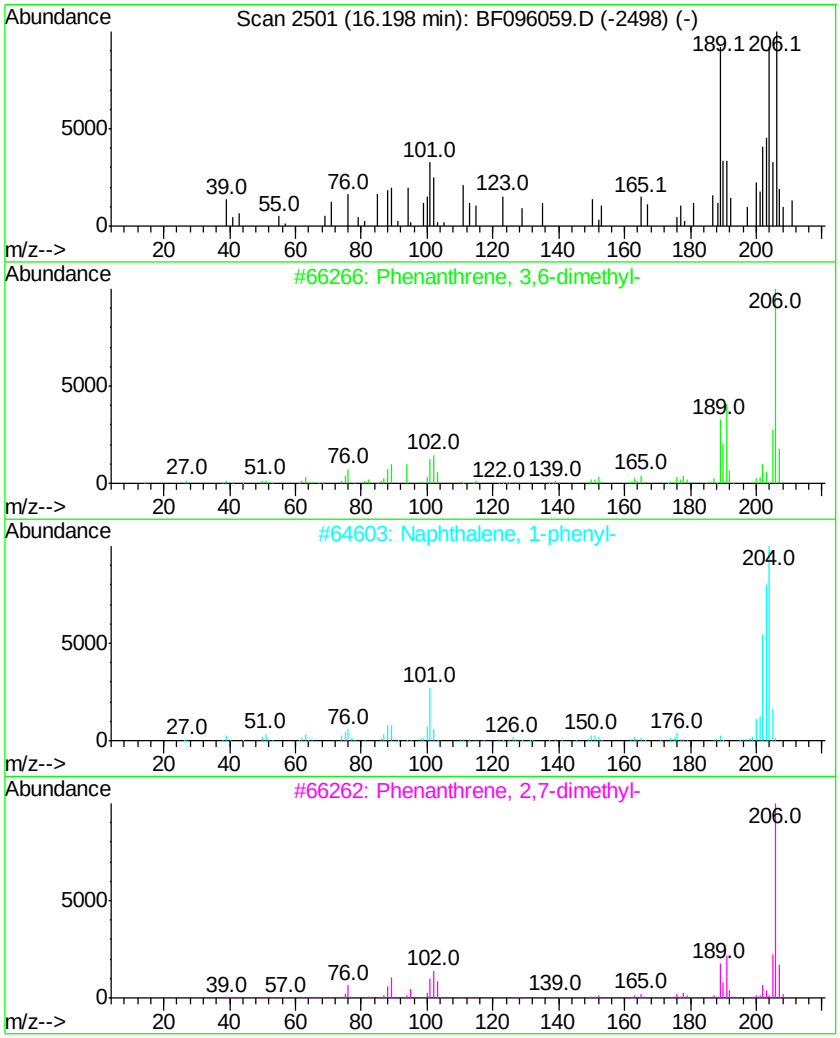
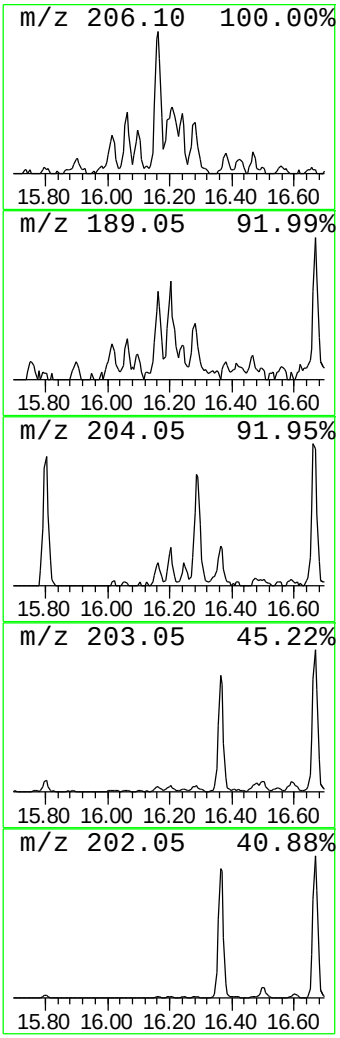
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.69 ng	56566	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	51
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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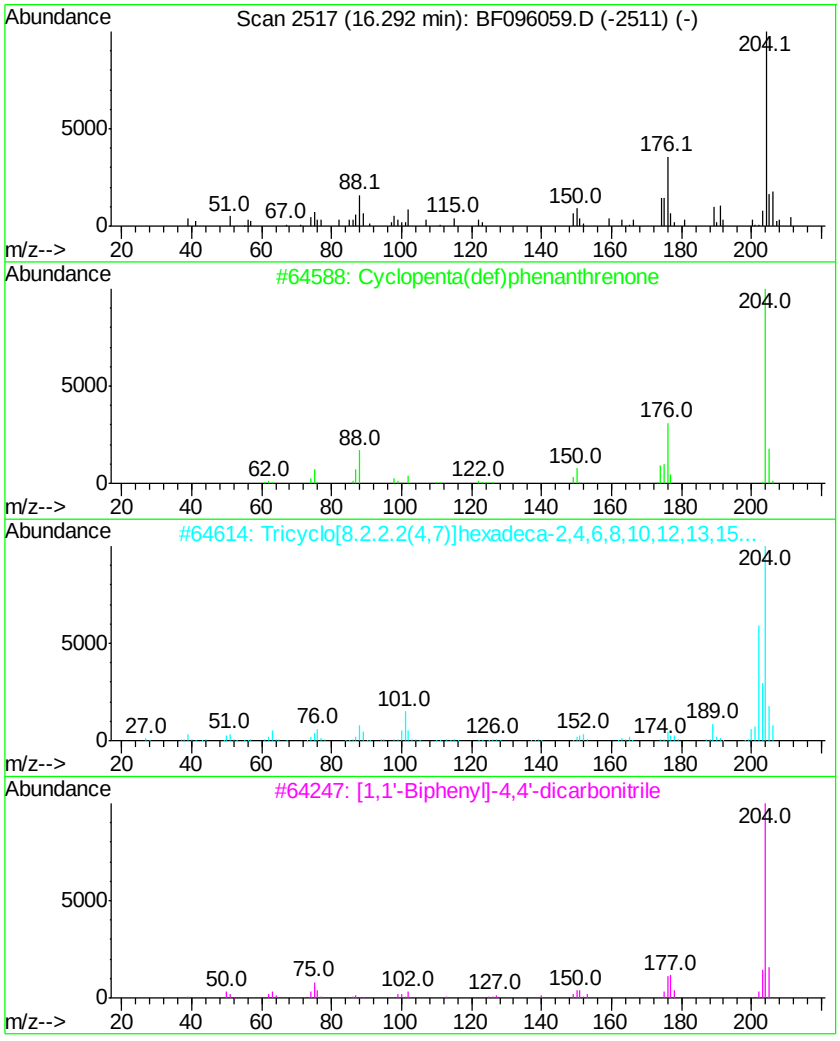
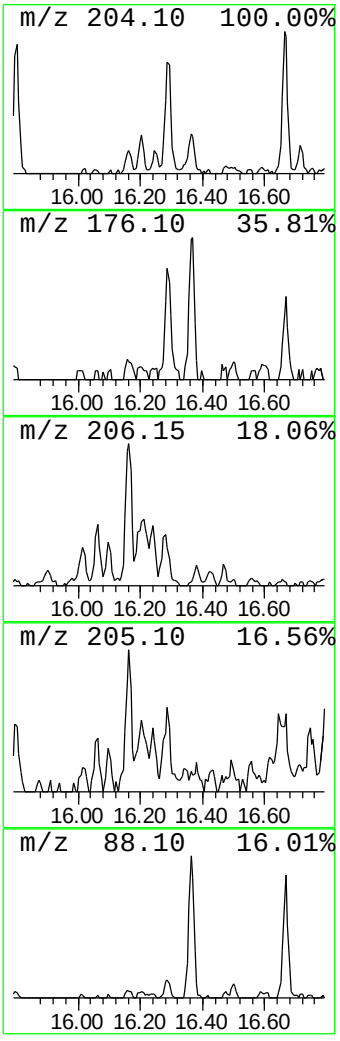
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.35 ng	70371	Phenanthrene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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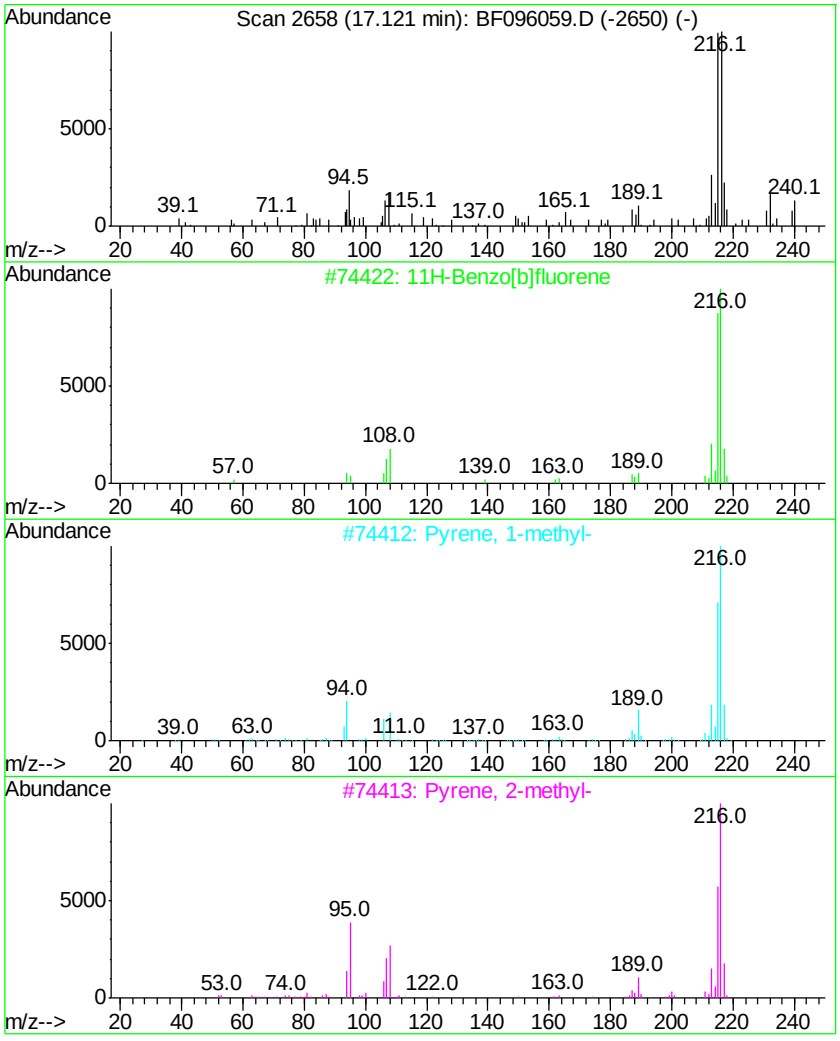
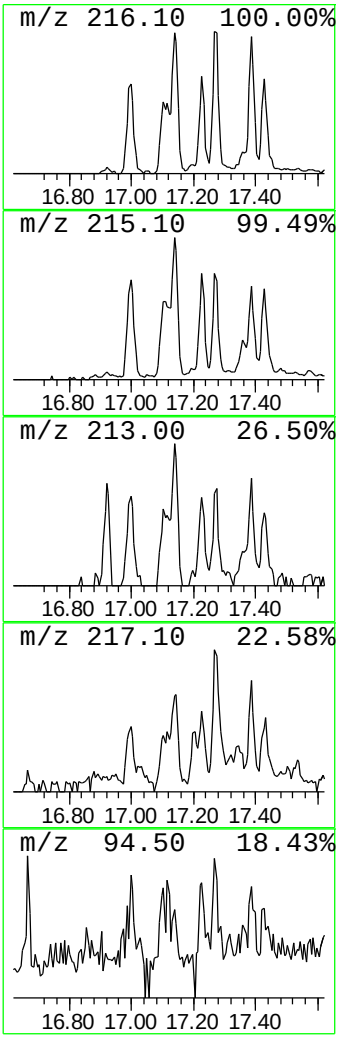
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	3.39 ng	132339	Chrysene-d12	18.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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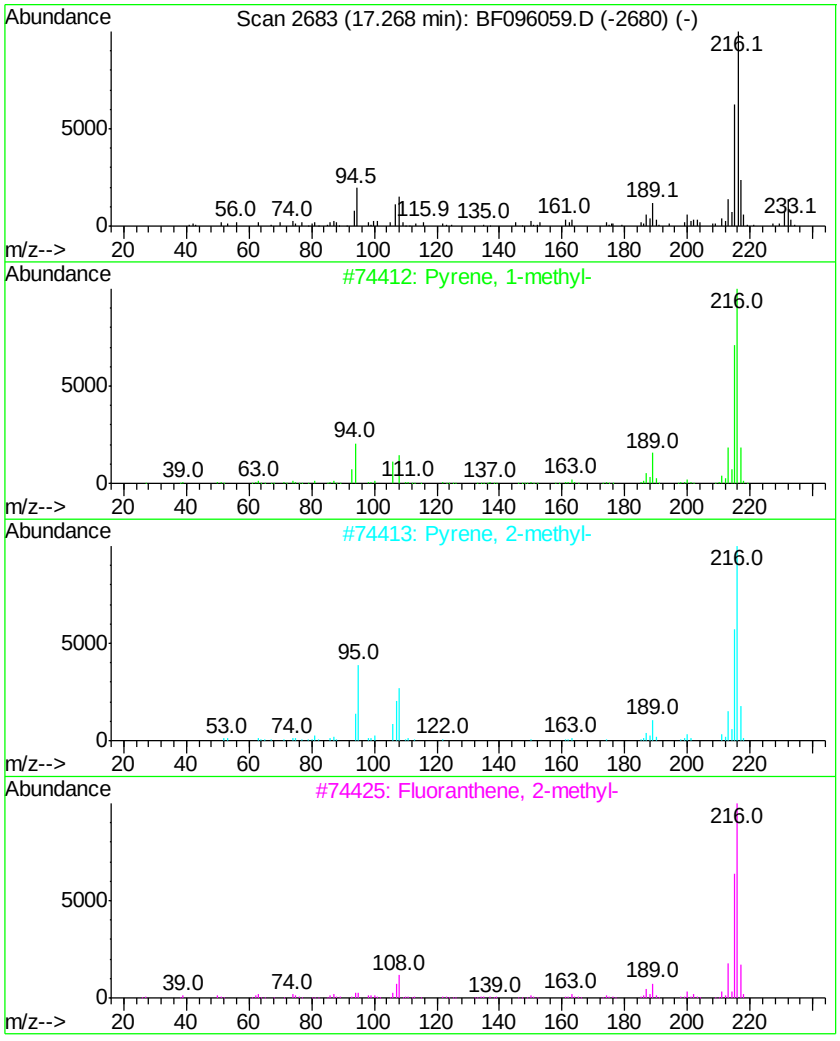
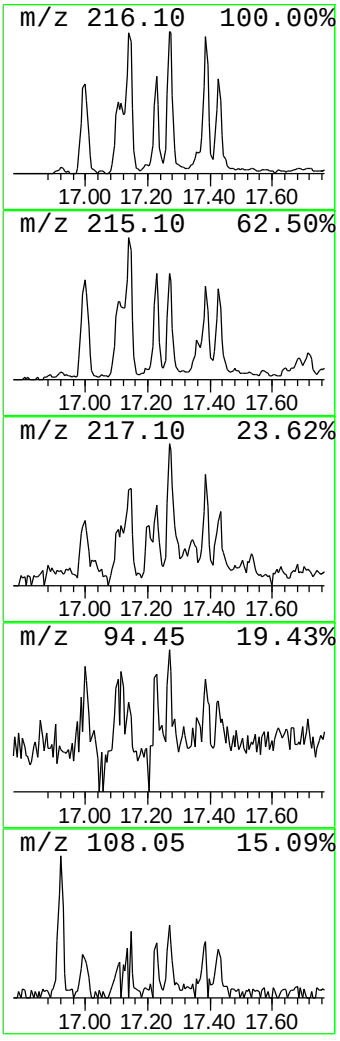
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	3.97 ng	155192	Chrysene-d12	18.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	62





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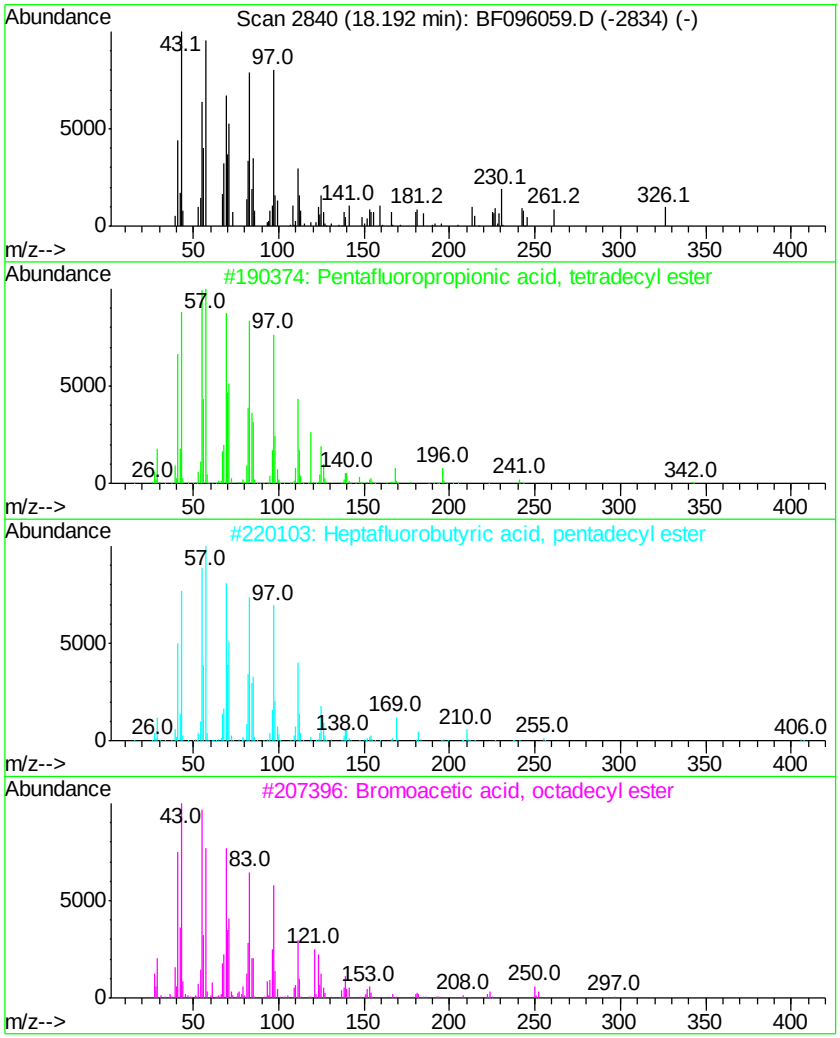
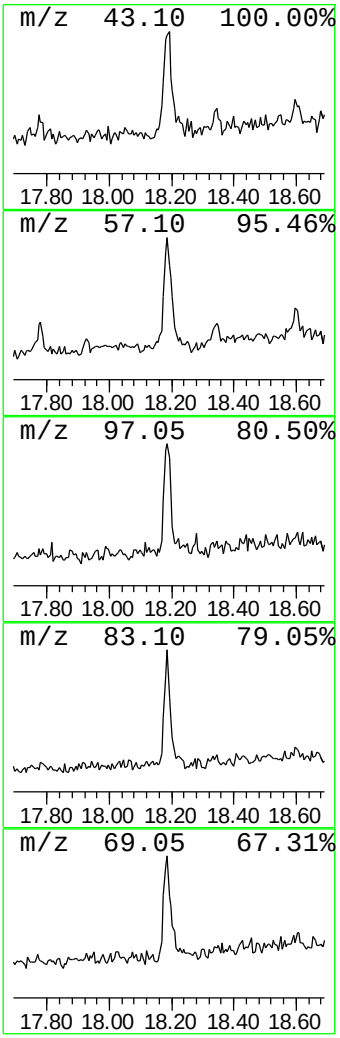
Peak Number 17 Pentafluoropropionic acid, ... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.01 ng	117746	Chrysene-d12	18.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	93
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
3	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
4	Behenic alcohol	326	C22H46O	000661-19-8	87
5	1-Heneicosanol	312	C21H44O	015594-90-8	87





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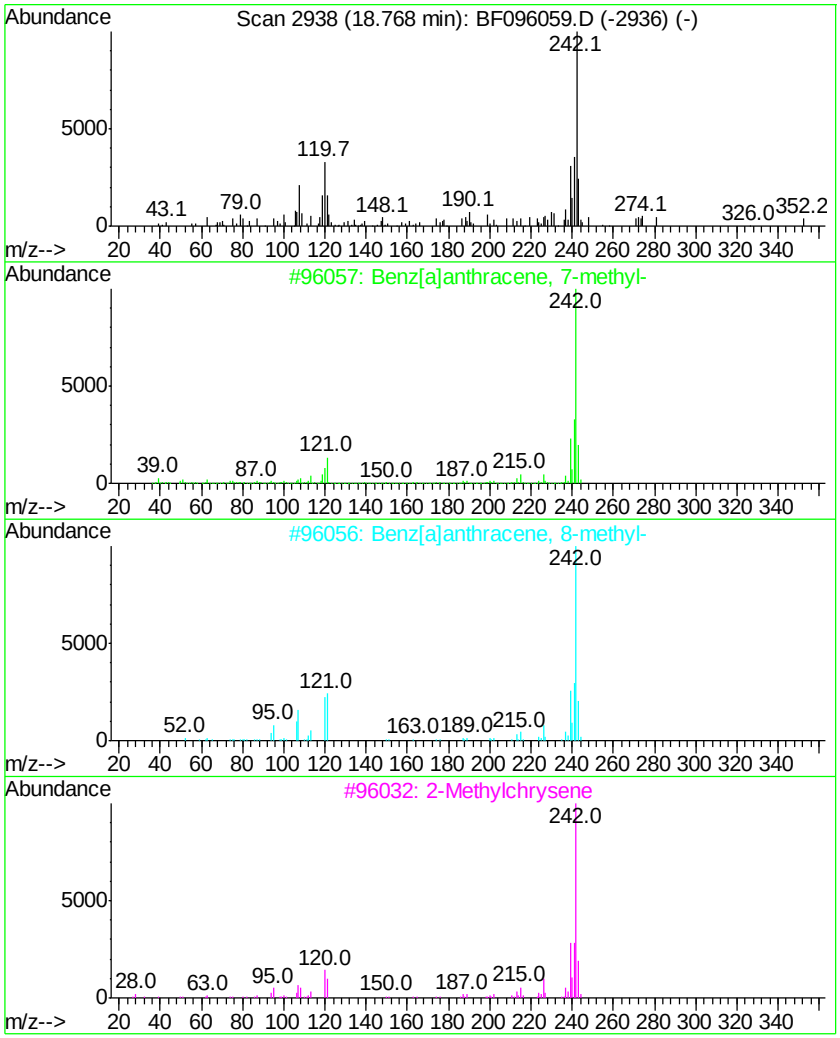
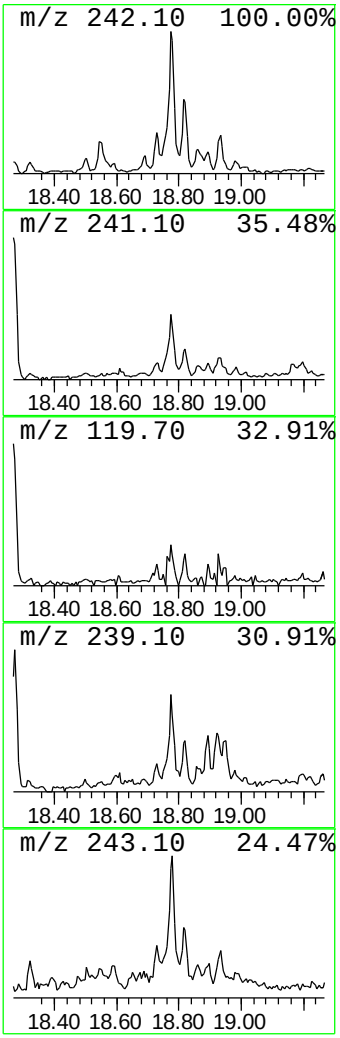
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.84 ng	110880	Chrysene-d12	18.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
3	2-Methylchrysene	242	C19H14	003351-32-4	89
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86





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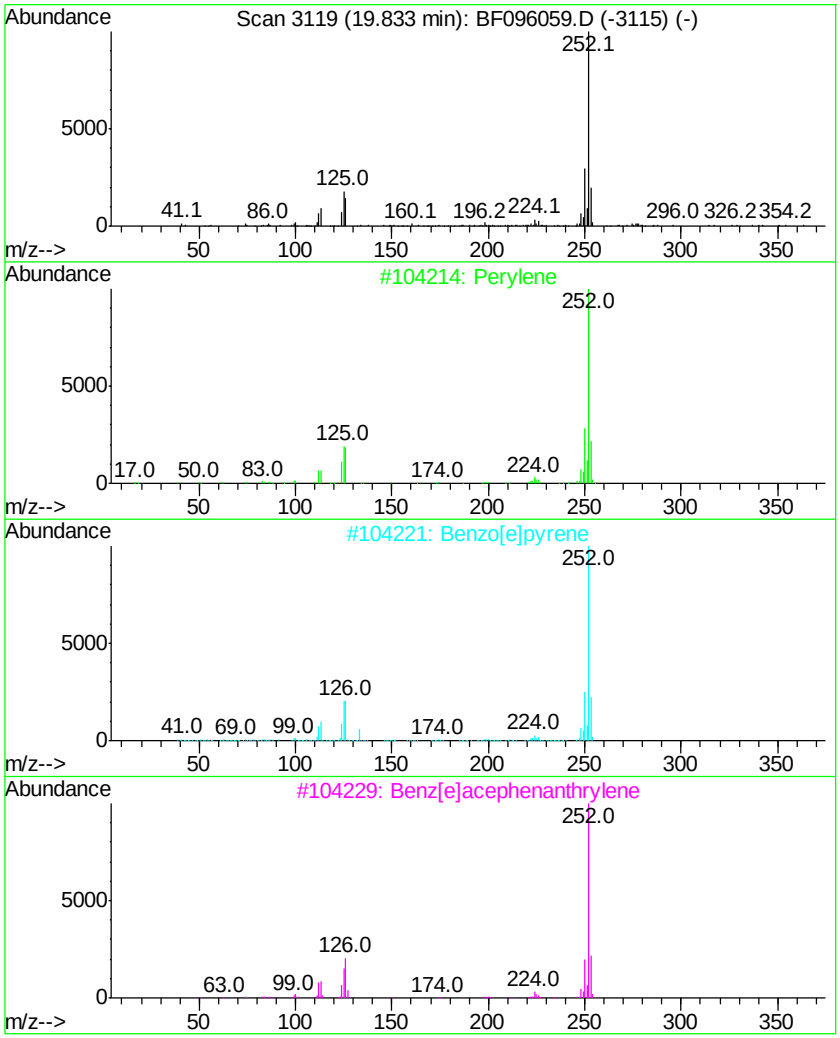
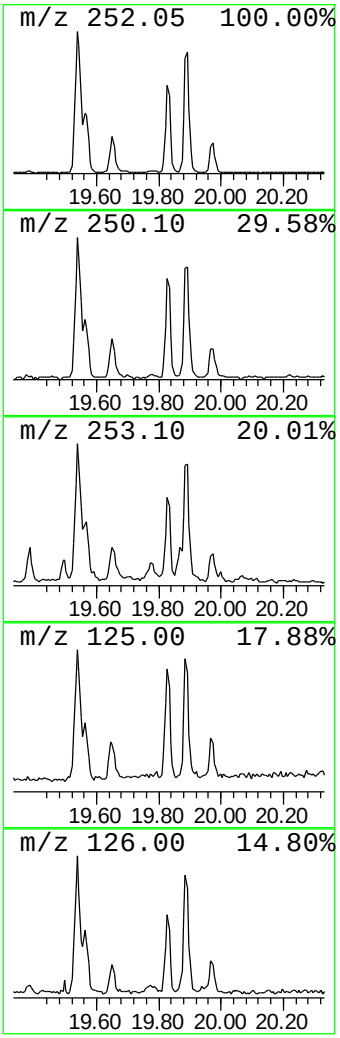
Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	14.06 ng	167407	Perylene-d12	19.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK4-1-20170619

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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...	4.46	10.3	ng	200181	1	7.29	389671	20.0
unknown6.95	6.95	84.9	ng	1654800	1	7.29	389671	20.0
Anthracene, 2-met...	15.34	3.5	ng	74331	4	14.54	420332	20.0
Phenanthrene, 2-m...	15.39	4.4	ng	91791	4	14.54	420332	20.0
Anthracene, 1-met...	15.46	2.9	ng	60095	4	14.54	420332	20.0
4H-Cyclopenta[def...	15.50	6.0	ng	125234	4	14.54	420332	20.0
Anthracene, 9-met...	15.54	3.4	ng	71166	4	14.54	420332	20.0
n-Hexadecanoic acid	15.57	4.5	ng	94352	4	14.54	420332	20.0
9,10-Bis(bromomet...	15.80	3.1	ng	66290	4	14.54	420332	20.0
Phenanthrene, 2,5...	16.16	4.3	ng	90102	4	14.54	420332	20.0
Phenanthrene, 3,6...	16.20	2.7	ng	56566	4	14.54	420332	20.0
Cyclopenta(def)ph...	16.29	3.4	ng	70371	4	14.54	420332	20.0
11H-Benzo[b]fluorene	17.12	3.4	ng	132339	5	18.27	781887	20.0
Pyrene, 1-methyl-	17.27	4.0	ng	155192	5	18.27	781887	20.0
Pentafluoropropio...	18.19	3.0	ng	117746	5	18.27	781887	20.0
Benz[a]anthracene...	18.77	2.8	ng	110880	5	18.27	781887	20.0
Perylene	19.83	14.1	ng	167407	6	19.94	238143	20.0