LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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	5.628	595	602	617	rBV	211632	321008	4.59%	0.273%
2	6.228	698	704	715	rVB	1232976	1528613	21.84%	1.302%
3	7.763	960	965	975	rBV	1374643	1637082	23.39%	1.395%
4	7.958	993	998	1010	rVB	1292550	1583495	22.62%	1.349%
5	8.328	1056	1061	1068	rVB	845164	965523	13.79%	0.823%
6	8.569	1096	1102	1107	rVB	1030986	1229546	17.56%	1.047%
7	9.205	1204	1210	1218	rBV	854901	993601	14.19%	0.846%
8	10.363	1396	1407	1410	rBV	1070524	1278096	18.26%	1.089%
9	11.687	1628	1632	1636	rVB	215513	243551	3.48%	0.207%
10	12.140	1702	1709	1714	rBV	1484289	1773707	25.34%	1.511%
11	12.681	1794	1801	1805	rBV	273004	399083	5.70%	0.340%
12	12.781	1813	1818	1821	rVV	182577	272547	3.89%	0.232%
13	12.869	1827	1833	1846	rVB2	201638	488535	6.98%	0.416%
14	12.993	1848	1854	1859	rBV	931248	1171318	16.73%	0.998%
15	13.228	1889	1894	1898	rBV2	1298420	1596547	22.81%	1.360%
16	13.281	1898	1903	1907	rVB	314702	379213	5.42%	0.323%
17	13.404	1919	1924	1935	rBV	948343	1173284	16.76%	1.000%
18	13.563	1947	1951	1953	rBV	194256	257389	3.68%	0.219%
19	13.645	1962	1965	1970	rVB2	183227	227649	3.25%	0.194%
20	13.757	1978	1984	1989	rBV4	167498	367683	5.25%	0.313%
21	14.051	2029	2034	2037	rBV2	301902	411037	5.87%	0.350%
22	14.128	2043	2047	2054	rVB	581217	797436	11.39%	0.679%
23	14.404	2089	2094	2095	rBV	188024	256075	3.66%	0.218%
24	14.516	2105	2113	2125	rBV3	855574	1399235	19.99%	1.192%
25	14.834	2162	2167	2169	rBV	294607	373503	5.34%	0.318%
26	14.857	2169	2171	2178	rVB4	164677	287808	4.11%	0.245%
27	14.998	2191	2195	2198	rBV	850933	980374	14.01%	0.835%
28	15.075	2204	2208	2214	rVB3	185093	299428	4.28%	0.255%
29	15.163	2214	2223	2227	rBV4	175174	370503	5.29%	0.316%
30	15.251	2234	2238	2242	rBV4	159298	289591	4.14%	0.247%
31	15.463	2270	2274	2278	rVB	339693	377826	5.40%	0.322%
32	15.545	2284	2288	2292	rVB	274610	291441	4.16%	0.248%
33	15.628	2298	2302	2305	rVV	1087102	1344181	19.20%	1.145%
34	15.669	2305	2309	2313	rVV	3274956	3817197	54.53%	3.252%

LSC Area Percent Report

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Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.739	2317	2321	2326	rVB	1501437	1645483	23.51%	1.402%
36	15.822	2331	2335	2338	rBV	183725	228443	3.26%	0.195%
37	16.128	2384	2387	2392	rVB2	377391	433939	6.20%	0.370%
38	16.187	2393	2397	2399	rBV	295618	307724	4.40%	0.262%
39	16.251	2404	2408	2413	rVB	252065	343030	4.90%	0.292%
40	16.328	2415	2421	2425	rBV	1615191	1830726	26.15%	1.560%
41	16.387	2426	2431	2434	rVV	966797	1170747	16.72%	0.997%
42	16.422	2434	2437	2444	rVB	1303342	1476971	21.10%	1.258%
43	16.486	2444	2448	2451	rBV	537147	661283	9.45%	0.563%
44	16.534	2451	2456	2460	rVV	1633622	2478174	35.40%	2.111%
45	16.575	2460	2463	2467	rVB	833124	932336	13.32%	0.794%
46	16.769	2493	2496	2499	rVV2	298784	345880	4.94%	0.295%
47	16.816	2499	2504	2514	rVB3	632963	1334615	19.07%	1.137%
48	17.022	2536	2539	2543	rVV	259118	304432	4.35%	0.259%
49	17.069	2543	2547	2549	rVV	381833	434329	6.20%	0.370%
50	17.098	2549	2552	2556	rVB	308947	350613	5.01%	0.299%
51	17.169	2559	2564	2568	rBV	954388	1383613	19.77%	1.179%
52	17.216	2568	2572	2575	rVV	651483	960307	13.72%	0.818%
53	17.245	2575	2577	2579	rVV	315318	322194	4.60%	0.274%
54	17.286	2579	2584	2586	rVV2	4481874	5447332	77.82%	4.641%
55	17.322	2586	2590	2593	rVV	5487520	6641085	94.87%	5.657%
56	17.345	2593	2594	2596	rVV	543431	403194	5.76%	0.343%
57	17.386	2596	2601	2604	rVV	4652391	5636555	80.52%	4.802%
58	17.433	2607	2609	2612	rVV	560667	602807	8.61%	0.514%
59	17.469	2612	2615	2618	rVV3	367497	476587	6.81%	0.406%
60	17.504	2618	2621	2625	rVV2	653681	816510	11.66%	0.696%
61	17.575	2629	2633	2636	rBV2	413624	484711	6.92%	0.413%
62	17.604	2636	2638	2643	rVB3	223696	278321	3.98%	0.237%
63	17.692	2647	2653	2656	rBV	5053257	7000139	100.00%	5.963%
64	17.751	2656	2663	2667	rVB5	373205	723361	10.33%	0.616%
65	17.792	2667	2670	2675	rBV2	295957	474525	6.78%	0.404%
66	17.857	2678	2681	2684	rBV2	352764	385792	5.51%	0.329%
67	17.910	2684	2690	2697	rVB	1701813	2152124	30.74%	1.833%
68	17.998	2697	2705	2708	rBV2	683538	1288131	18.40%	1.097%
69	18.110	2719	2724	2726	rBV4	517734	908848	12.98%	0.774%
70	18.139	2726	2729	2733	rVB	1145579	1306364	18.66%	1.113%
71	18.192	2733	2738	2739	rBV2	166029	287153	4.10%	0.245%

LSC Area Percent Report

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Misc :
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Instrument : BNA_P
ClientSampleId : SU-01-112719

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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.228	2740	2744	2748	rVB	766447	874171	12.49%	0.745%
73	18.275	2748	2752	2758	rBV	1333119	1728720	24.70%	1.473%
74	18.357	2762	2766	2768	rBV3	223680	263896	3.77%	0.225%
75	18.392	2768	2772	2776	rVV	918453	1007895	14.40%	0.859%
76	18.433	2776	2779	2784	rVB	867390	901832	12.88%	0.768%
77	18.645	2811	2815	2818	rBV5	144849	295708	4.22%	0.252%
78	18.798	2835	2841	2849	rVB3	566974	1104676	15.78%	0.941%
79	18.945	2862	2866	2871	rBV2	725437	1137196	16.25%	0.969%
80	18.986	2871	2873	2875	rVV	472808	421435	6.02%	0.359%
81	19.010	2875	2877	2879	rVB	331799	262778	3.75%	0.224%
82	19.075	2885	2888	2893	rVB	400458	557653	7.97%	0.475%
83	19.157	2899	2902	2906	rBV3	219874	307799	4.40%	0.262%
84	19.269	2915	2921	2925	rBV2	3213523	5438406	77.69%	4.633%
85	19.316	2925	2929	2932	rVV	2878829	3300720	47.15%	2.812%
86	19.339	2932	2933	2938	rVB2	342486	255236	3.65%	0.217%
87	19.410	2939	2945	2947	rBV3	389735	642619	9.18%	0.547%
88	19.457	2950	2953	2955	rBV	317924	314629	4.49%	0.268%
89	19.733	2997	3000	3003	rBV	345399	407757	5.82%	0.347%
90	19.780	3003	3008	3012	rVV	1098895	1519068	21.70%	1.294%
91	19.822	3012	3015	3020	rVB	585780	677524	9.68%	0.577%
92	19.898	3025	3028	3031	rVB	474101	444210	6.35%	0.378%
93	19.939	3031	3035	3037	rBV2	488670	681227	9.73%	0.580%
94	20.580	3138	3144	3147	rBV	2190428	4221445	60.31%	3.596%
95	20.698	3161	3164	3167	rVB	580541	653685	9.34%	0.557%
96	20.927	3198	3203	3209	rVB	1293407	2090637	29.87%	1.781%
97	20.998	3209	3215	3219	rBV	2140283	3111645	44.45%	2.651%
98	21.069	3223	3227	3230	rVV2	723115	967500	13.82%	0.824%
99	21.098	3230	3232	3235	rVB	419644	425885	6.08%	0.363%
100	22.733	3505	3510	3518	rVB2	829998	1928589	27.55%	1.643%

Sum of corrected areas: 117386024

LSC Report - Integrated Chromatogram

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Data File : BP001139.D
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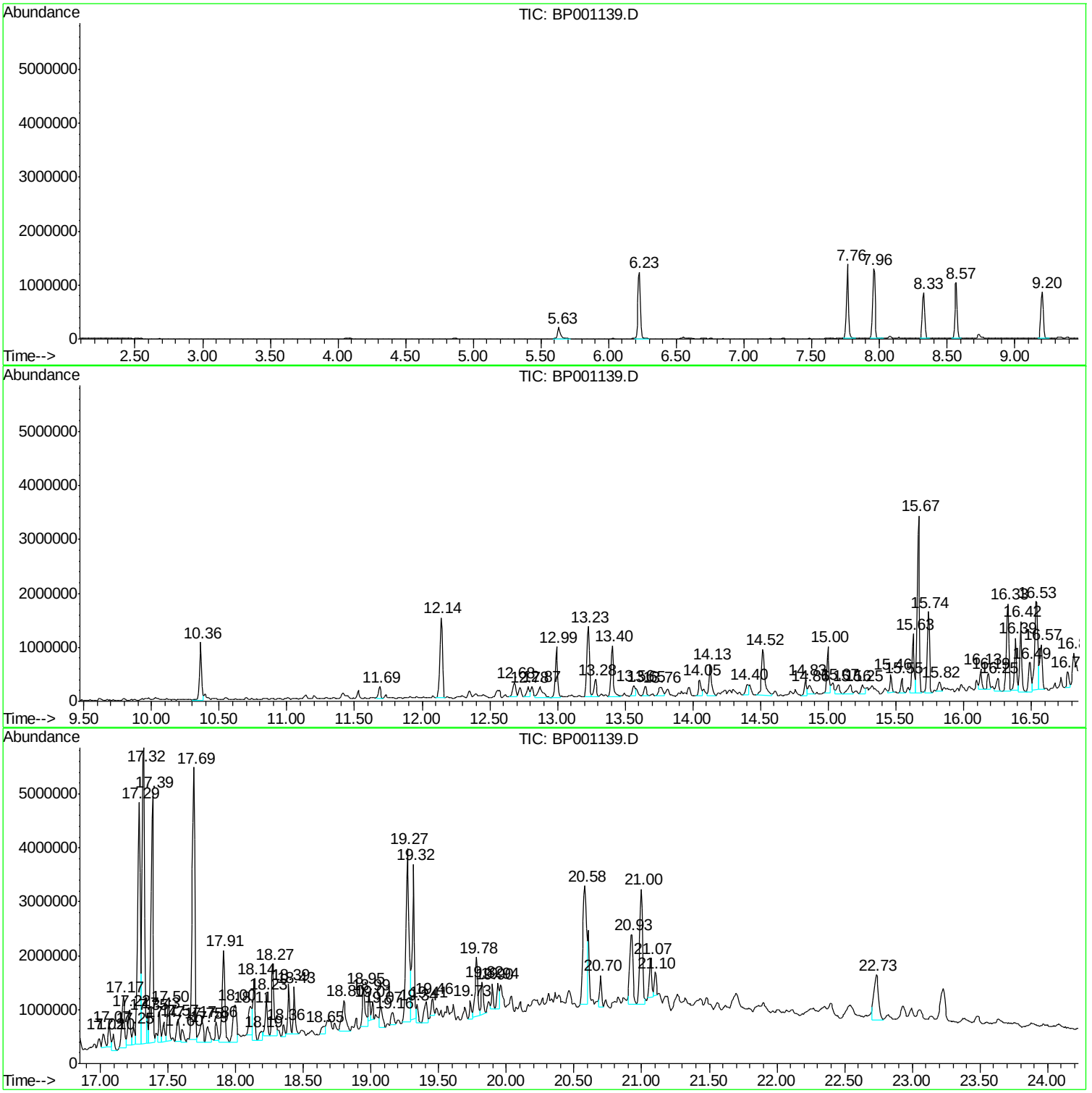
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
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Misc :
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Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

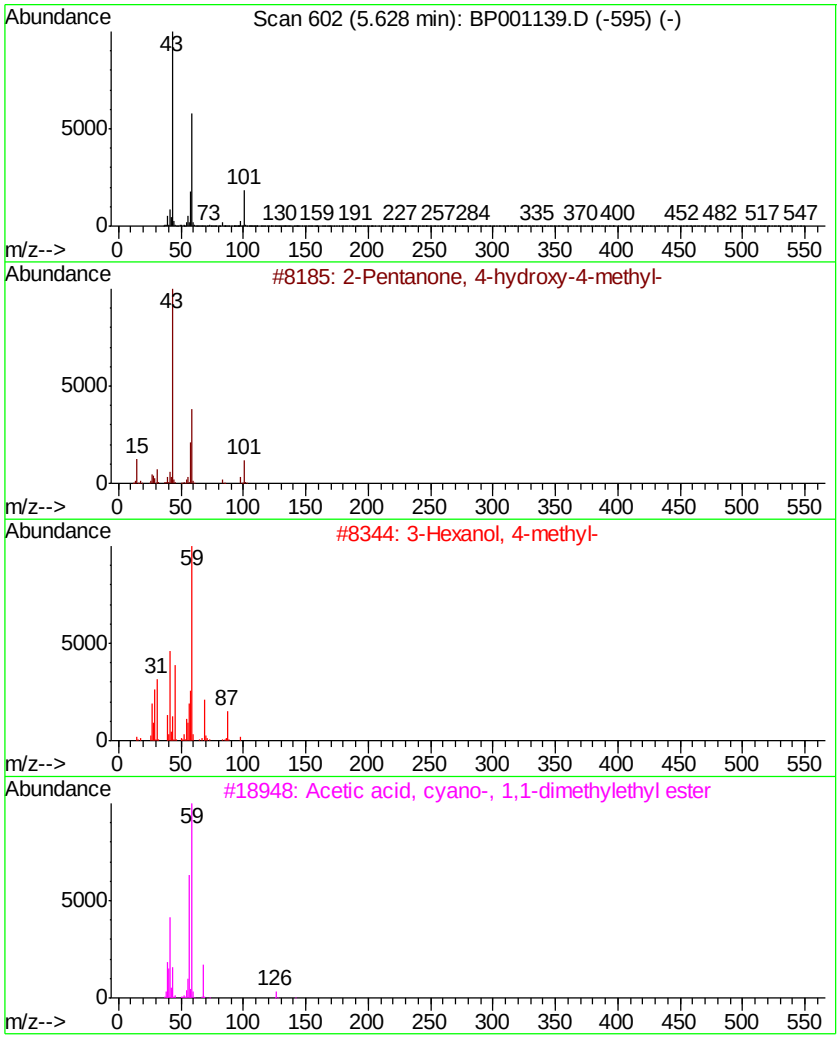
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

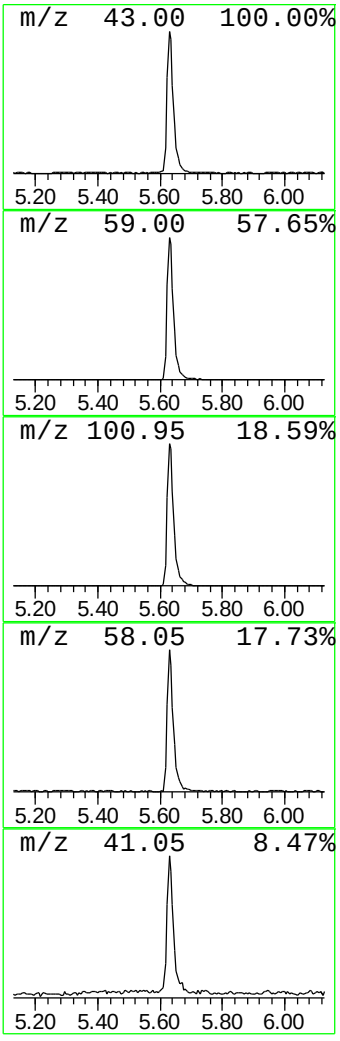
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	6.65 ng	321008	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

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Misc :
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Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

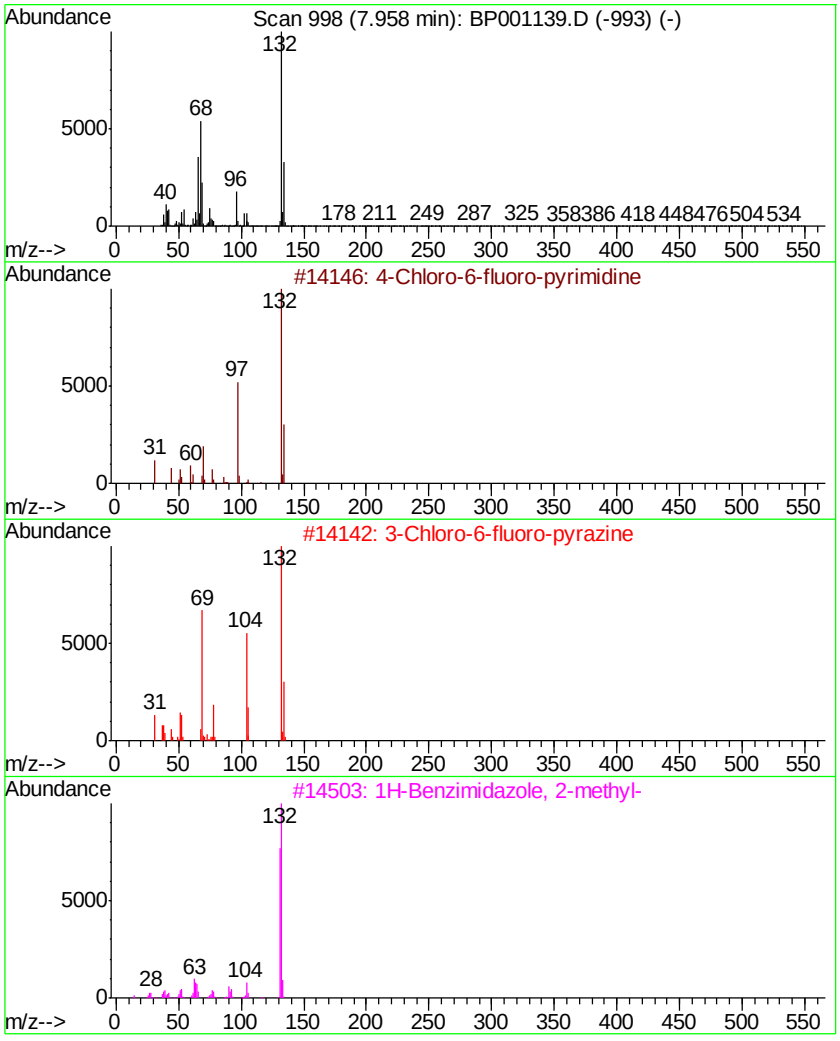
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

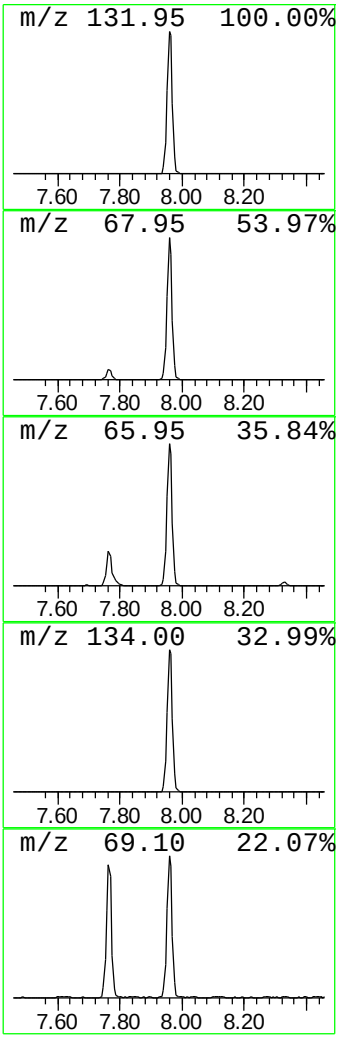
****

Peak Number 2 unknown7.96 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	32.80 ng	1583500	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	12





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

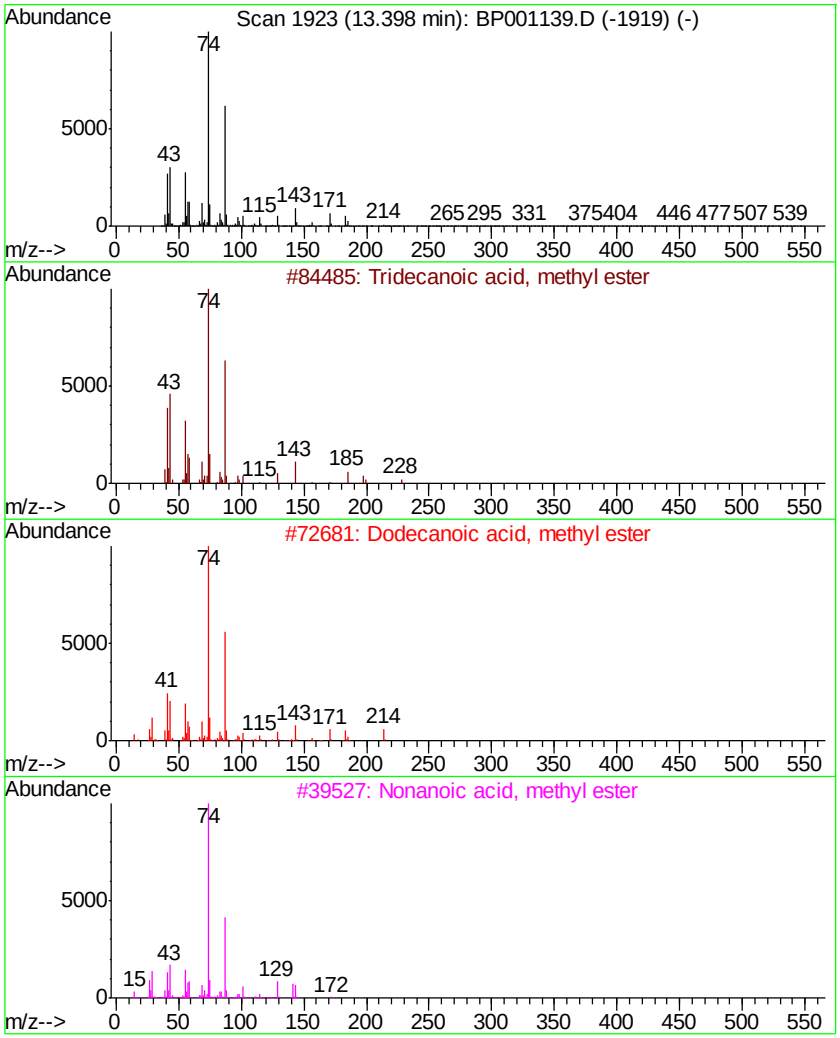
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

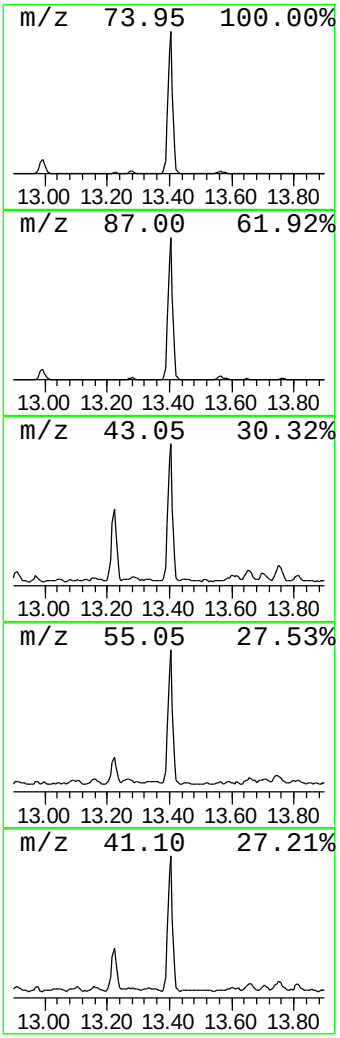
****

Peak Number 4 Tridecanoic acid, methyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	14.70 ng	1173280	Acenaphthene-d10	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
2	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	91
3	Nonanoic acid, methyl ester	172	C10H20O2	001731-84-6	87
4	Methyl 8-methyl-nonanoate	186	C11H22O2	1000336-43-6	78
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	78





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Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

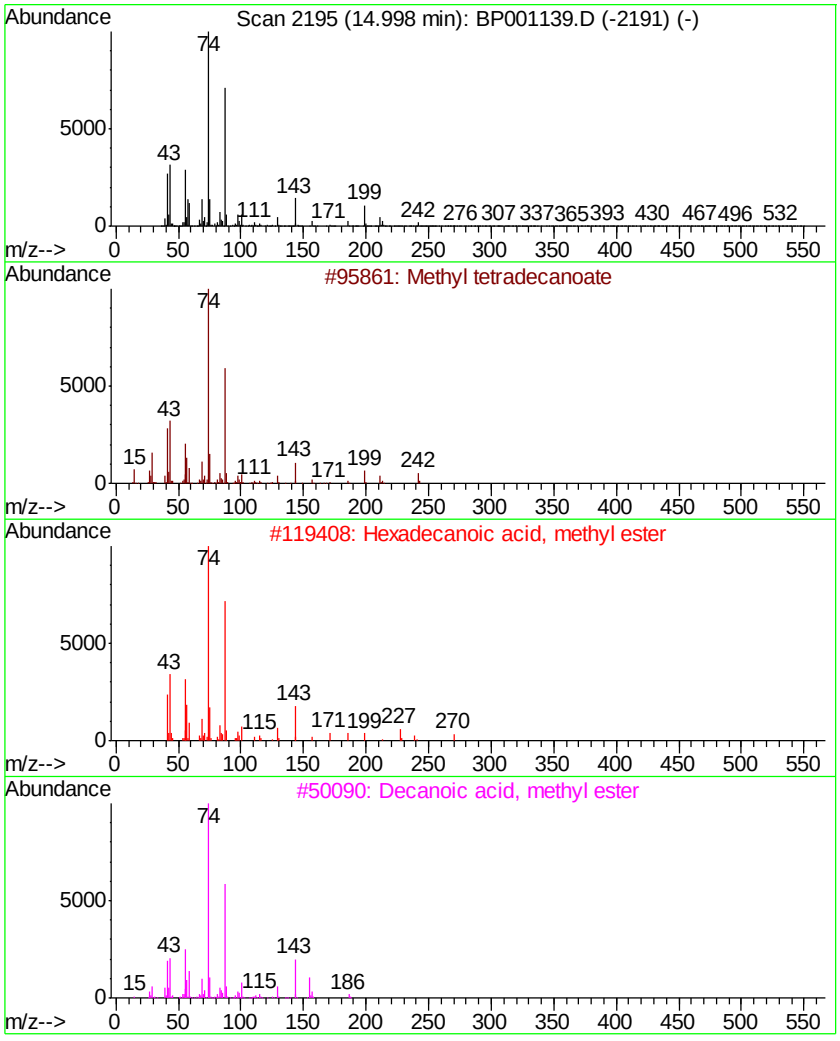
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

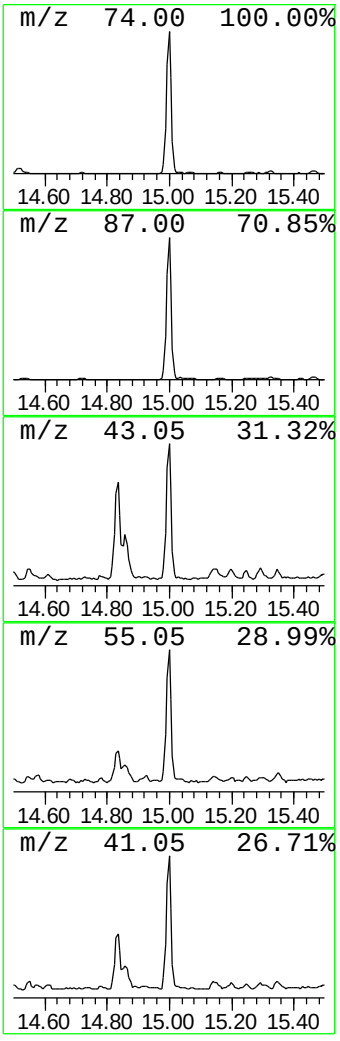
****

Peak Number 5 Methyl tetradecanoate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	14.59 ng	980374	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	87
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	86
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	86
5	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	86





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Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
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Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

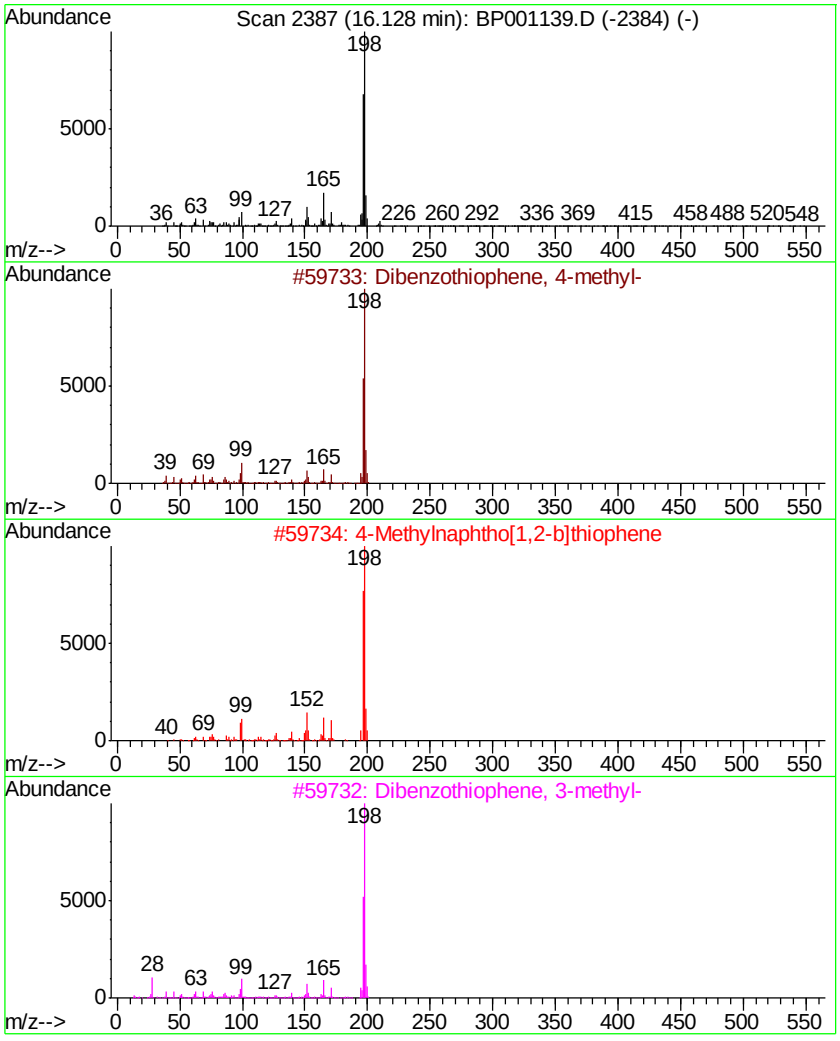
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

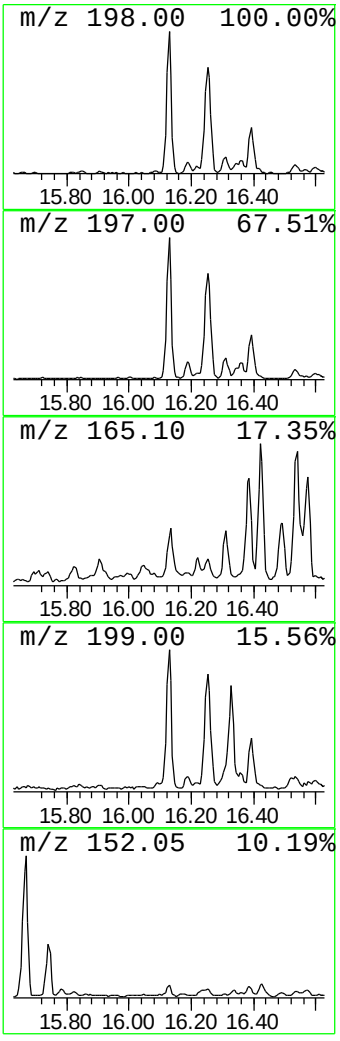
****

Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	6.46 ng	433939	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87
5	4,6,8-Trimethyl-1-azulenecarbald...	198	C14H14O	000832-62-2	80





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Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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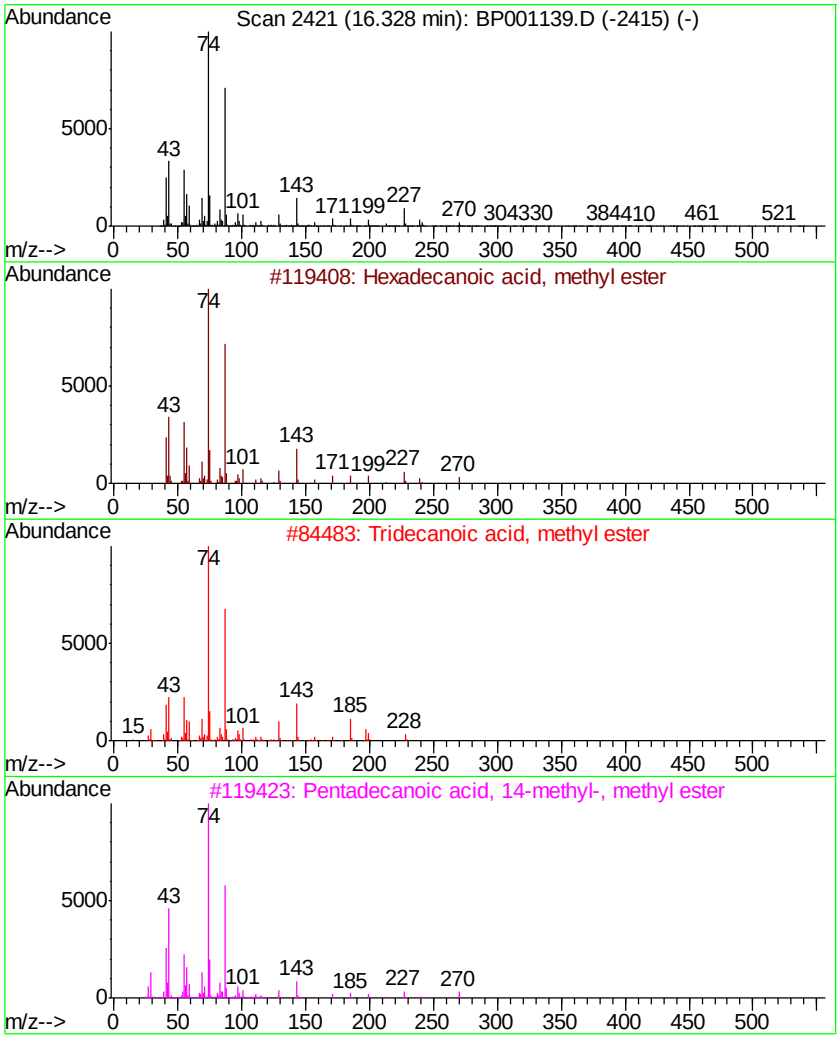
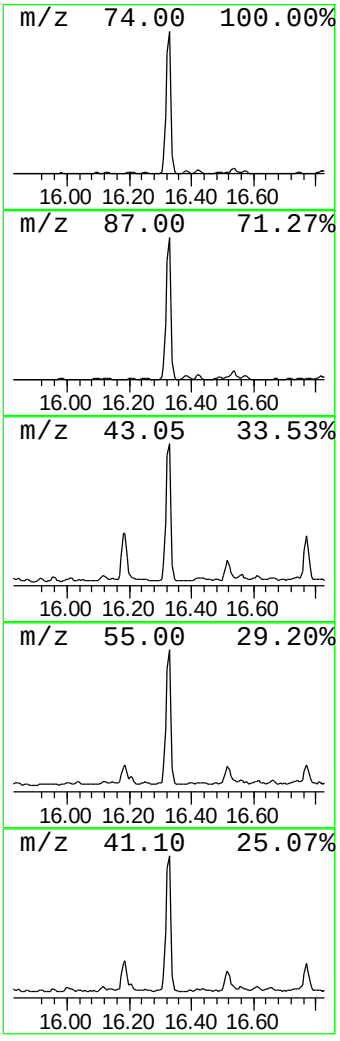
Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	27.24 ng	1830730	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





Library Search Compound Report

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Data File : BP001139.D
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Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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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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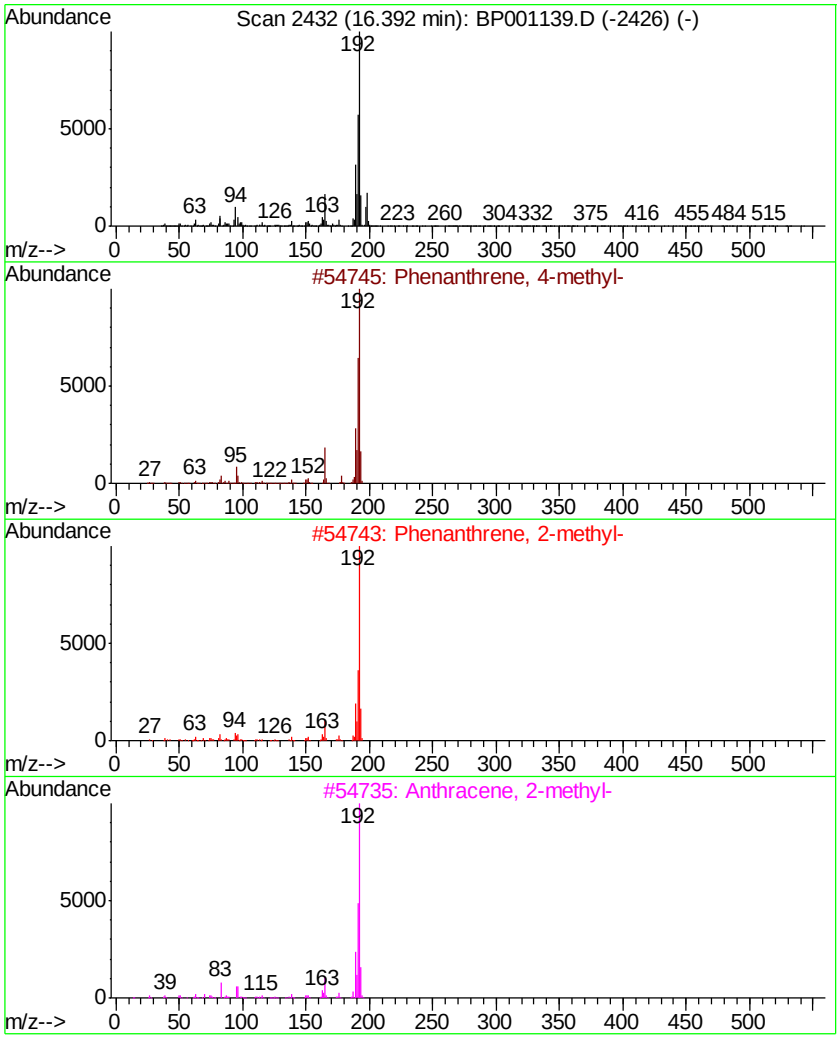
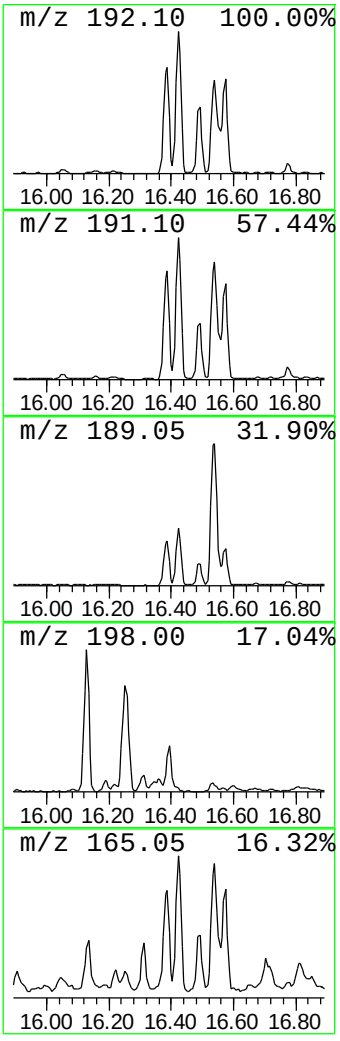
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	17.42 ng	1170750	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

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Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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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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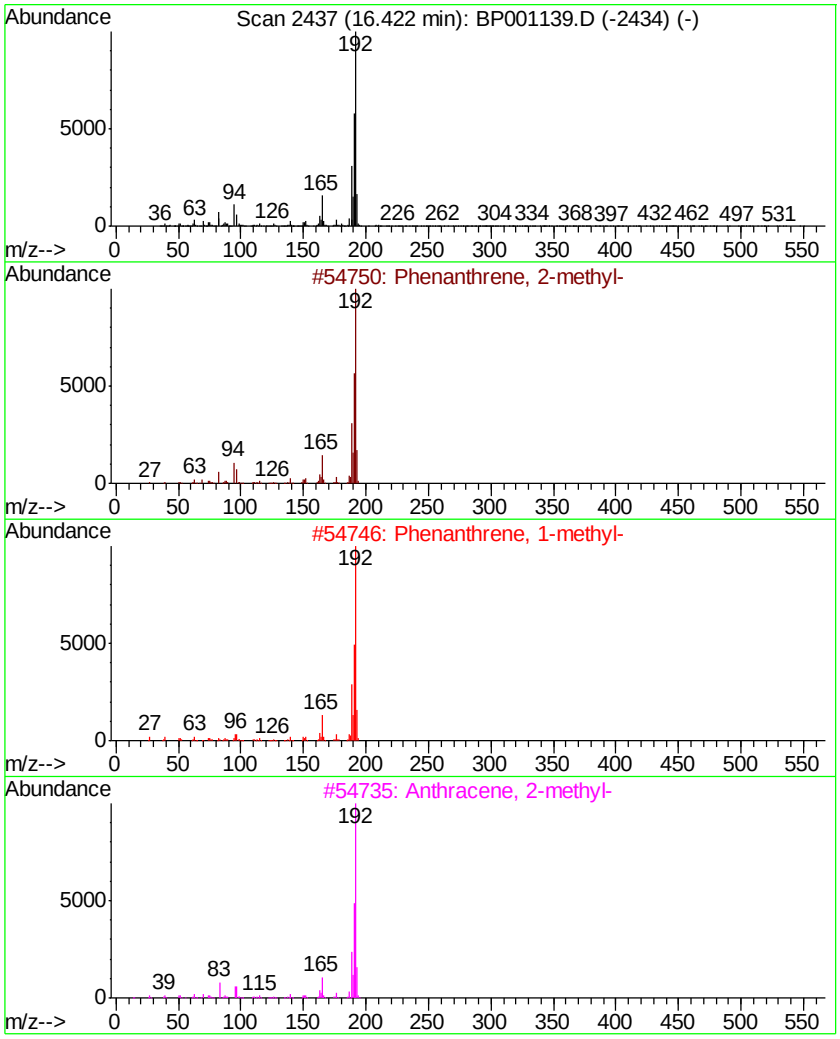
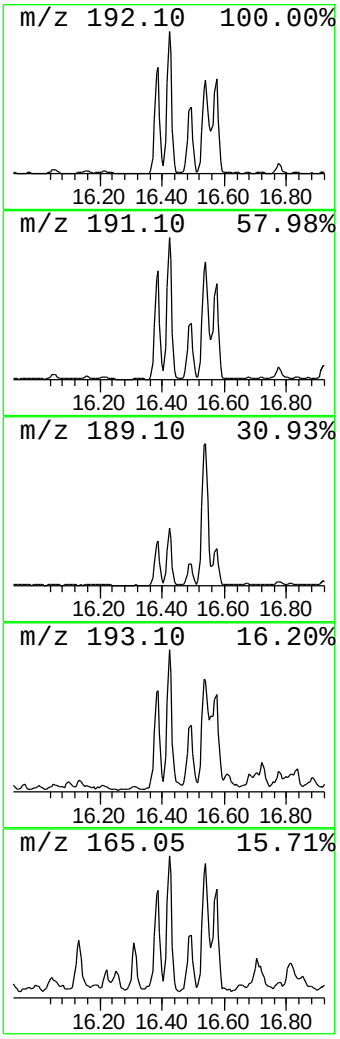
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	21.98 ng	1476970	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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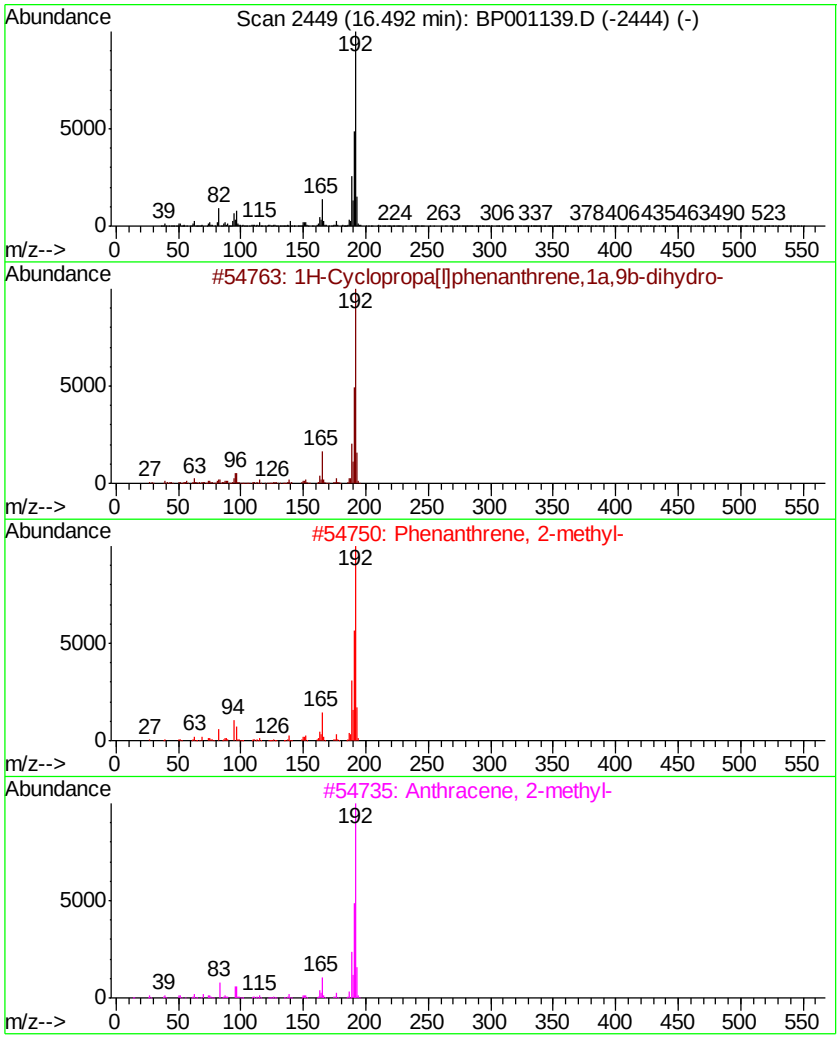
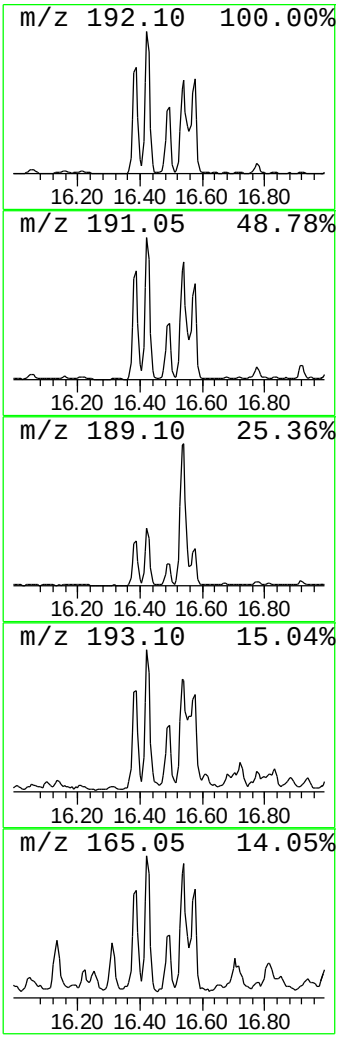
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	9.84 ng	661283	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 02 Dec 2019 21:42
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Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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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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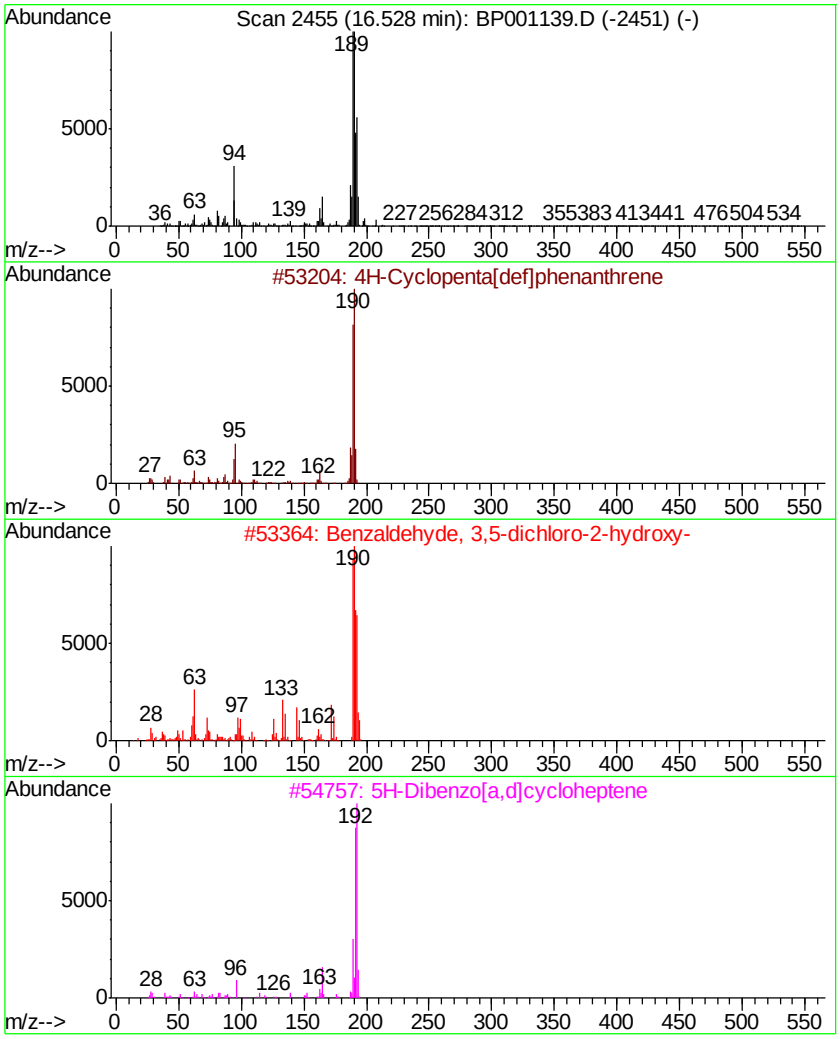
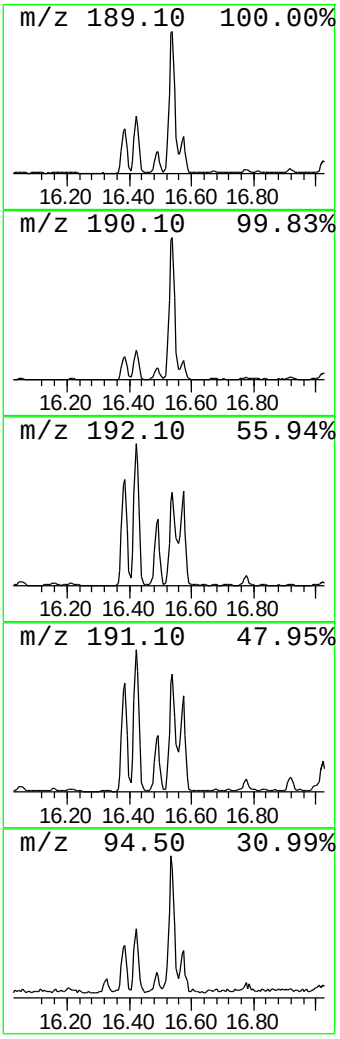
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	36.87 ng	2478170	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	22





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Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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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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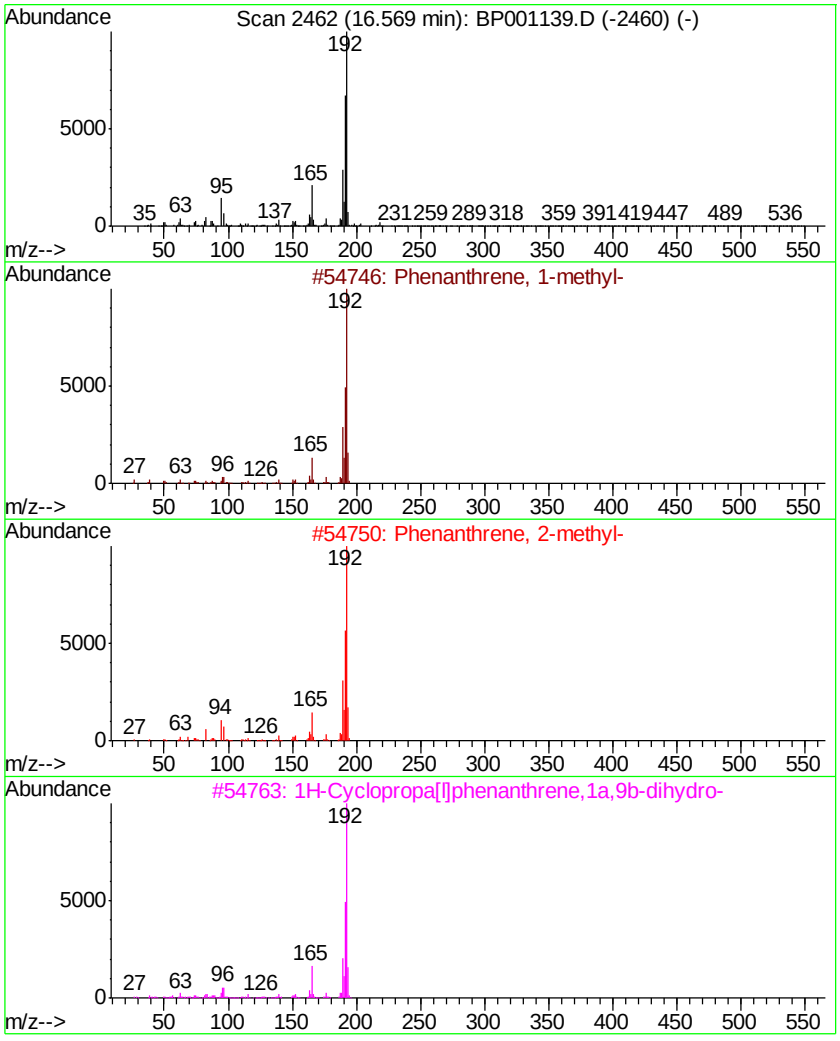
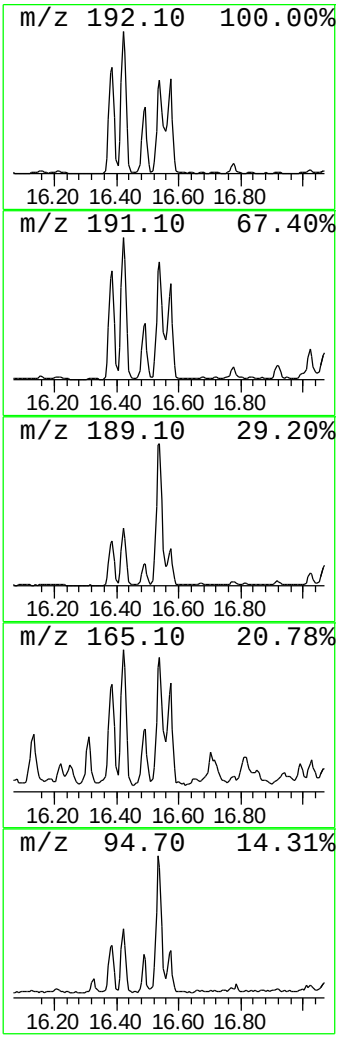
Peak Number 12 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	13.87 ng	932336	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89





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Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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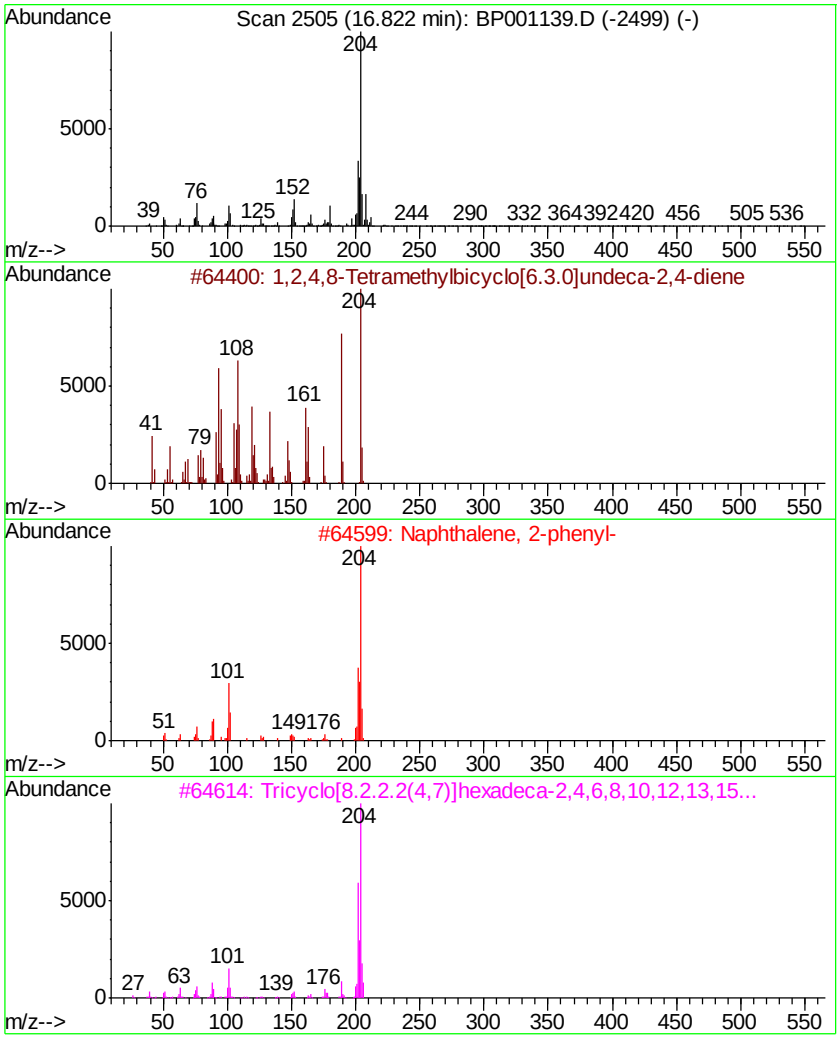
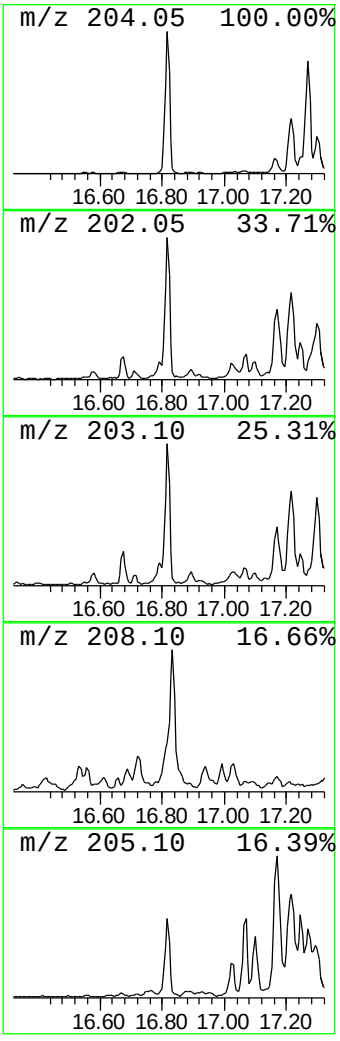
Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	19.86 ng	1334620	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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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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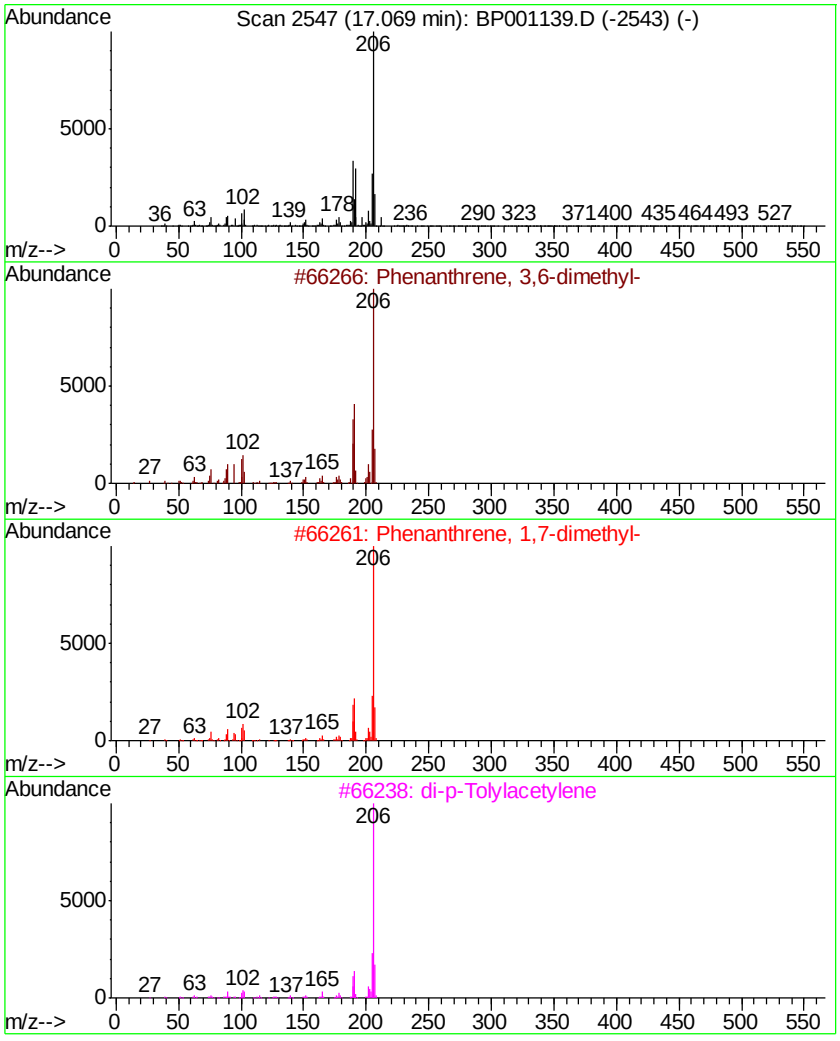
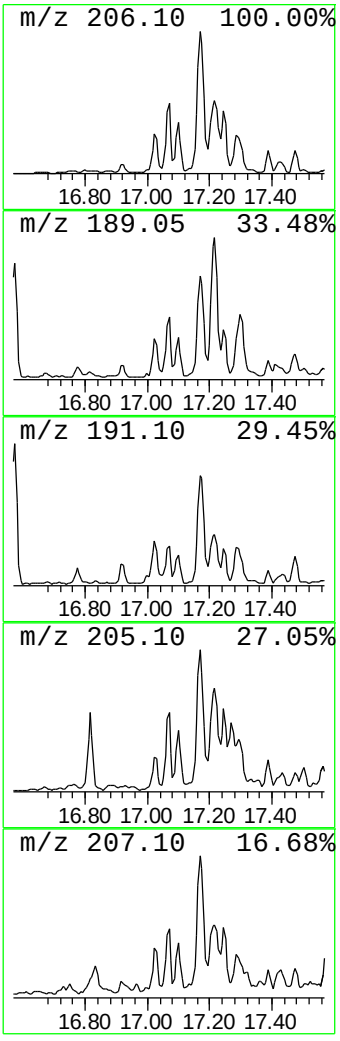
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	6.46 ng	434329	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	74





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Misc :
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Instrument : BNA_P
ClientSampleId : SU-01-112719

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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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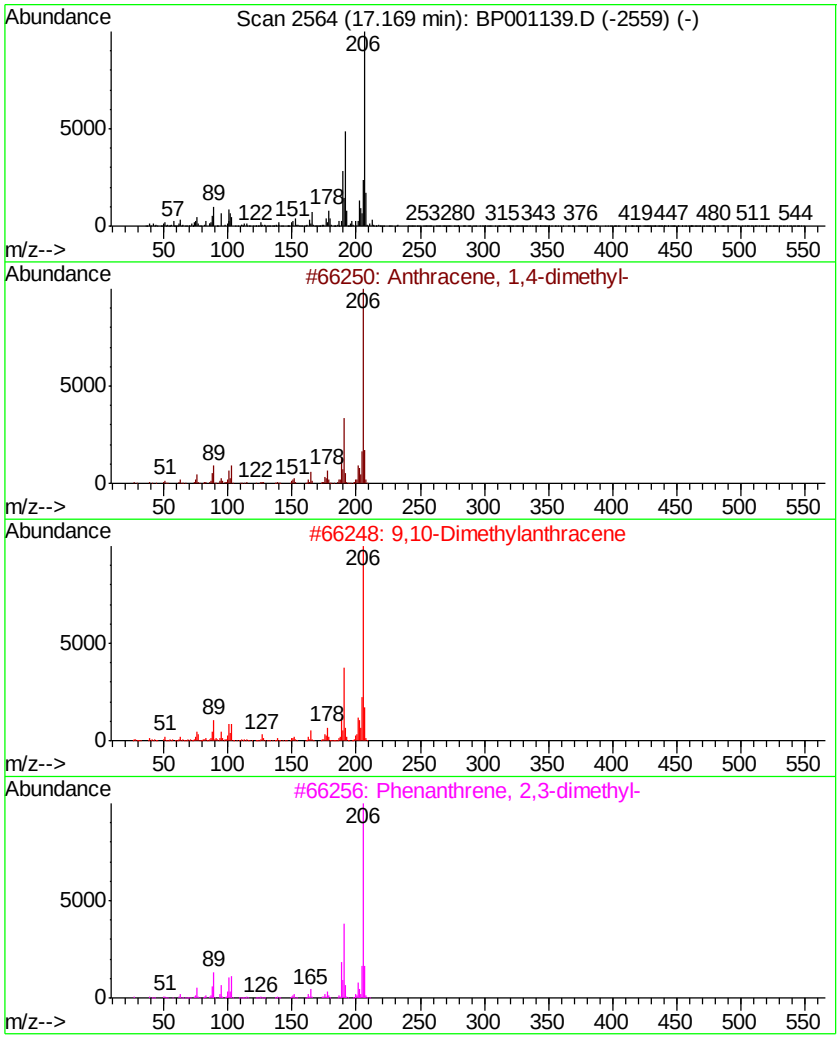
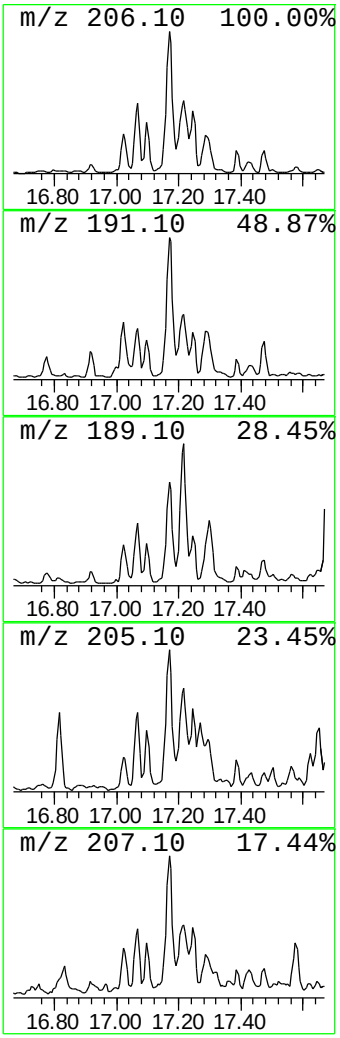
Peak Number 15 Anthracene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	20.59 ng	1383610	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

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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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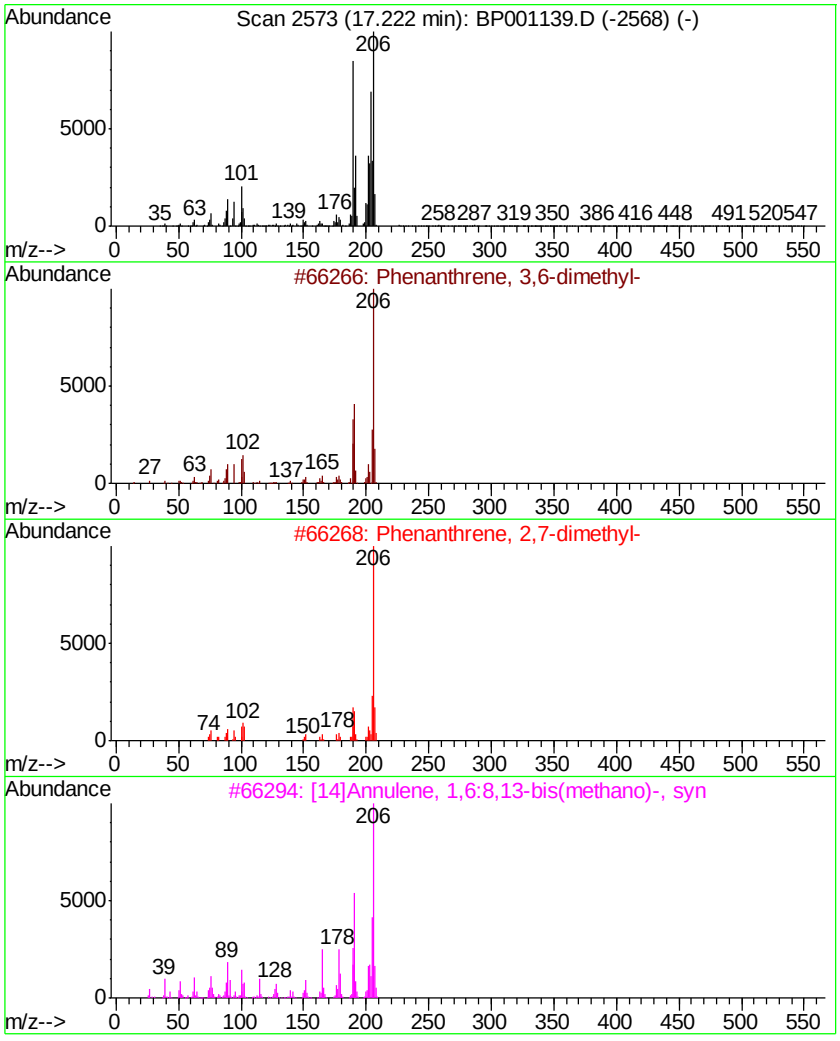
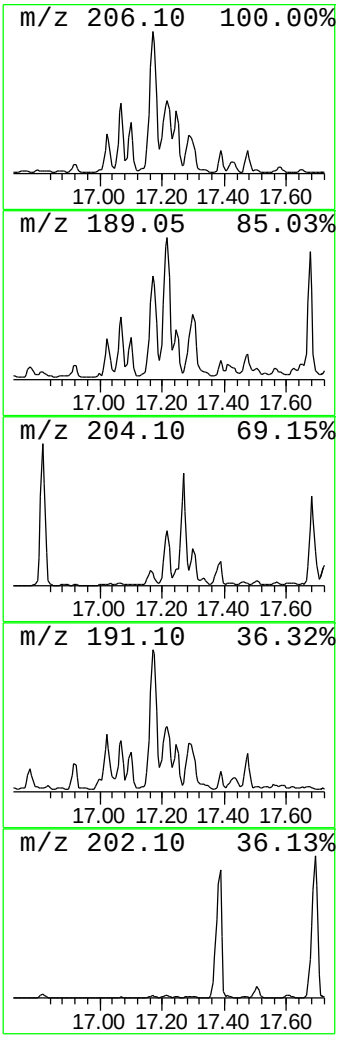
Peak Number 16 unknown17.22 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	14.29 ng	960307	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	45
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35





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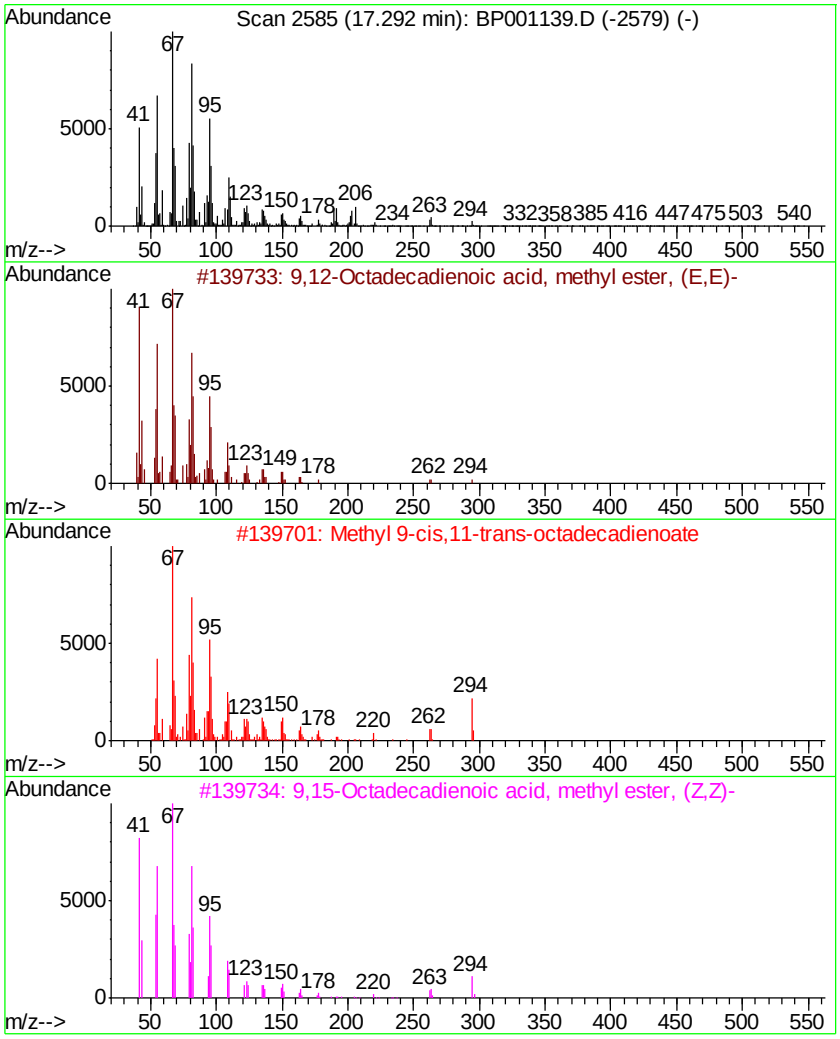
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

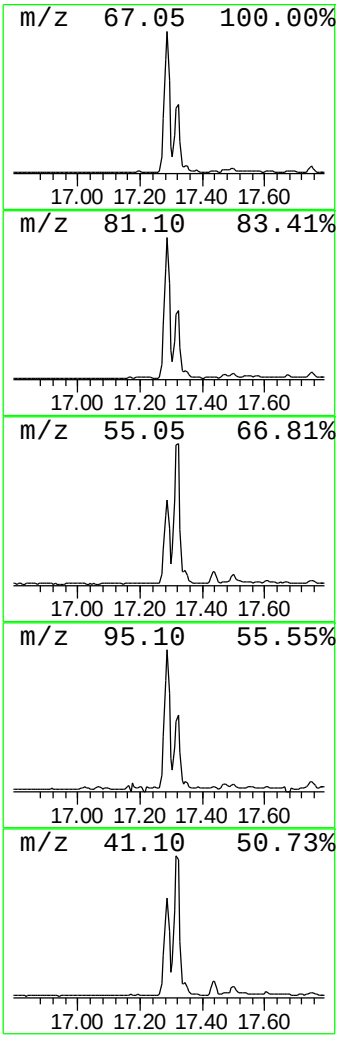
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	81.05 ng	5447330	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	98
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	97
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

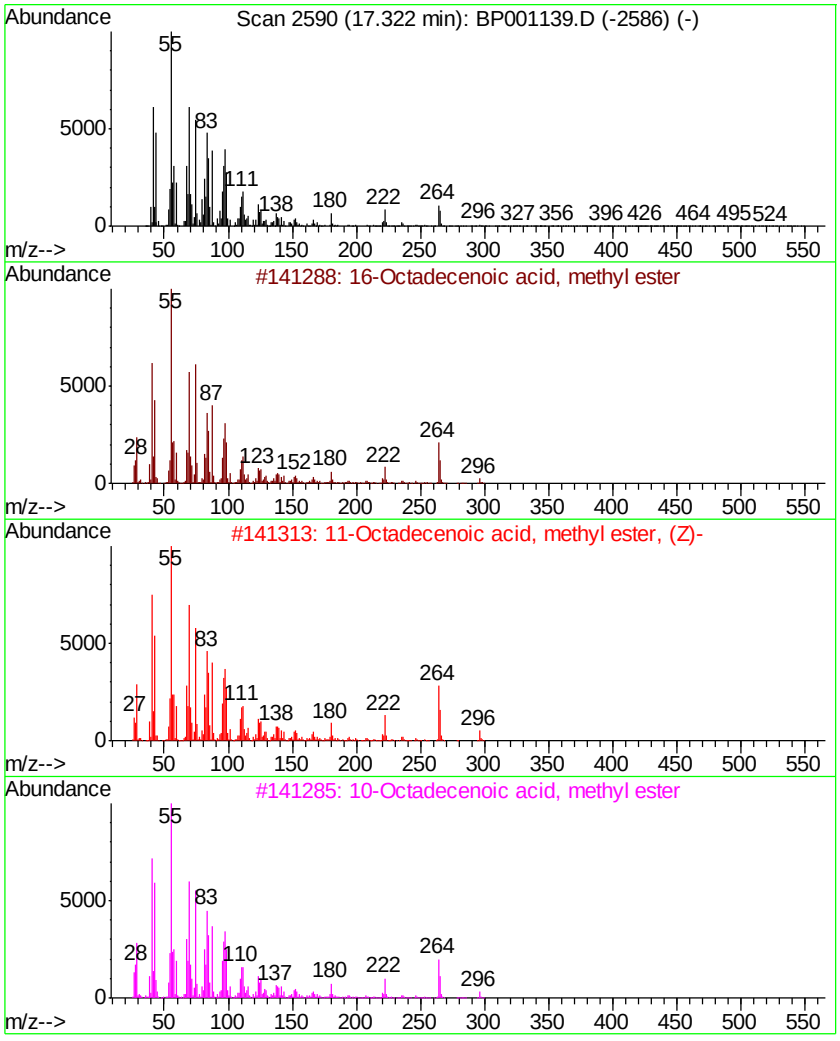
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

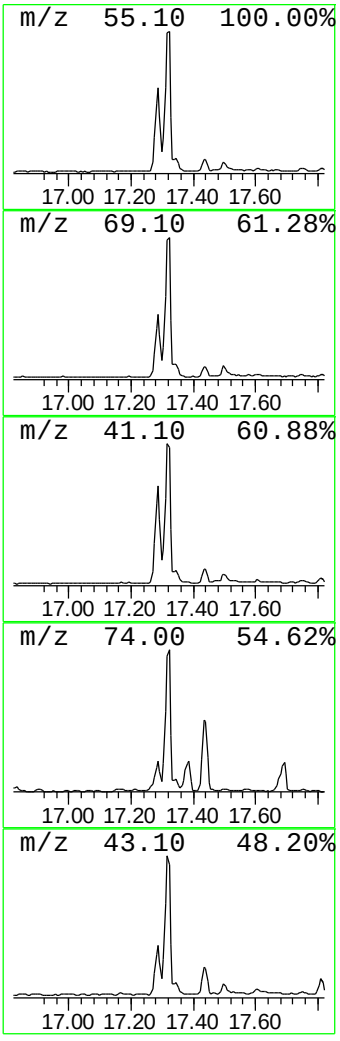
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 16-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	98.81 ng	6641090	Phenanthrene-d10	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	98





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Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

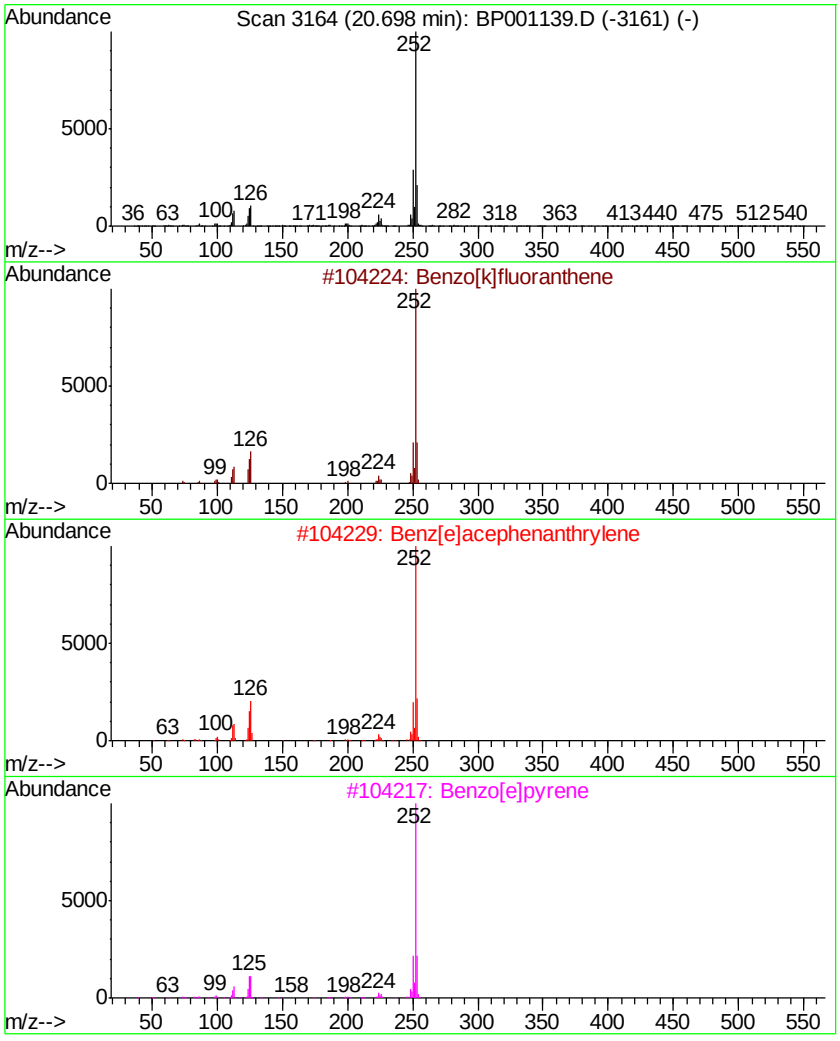
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

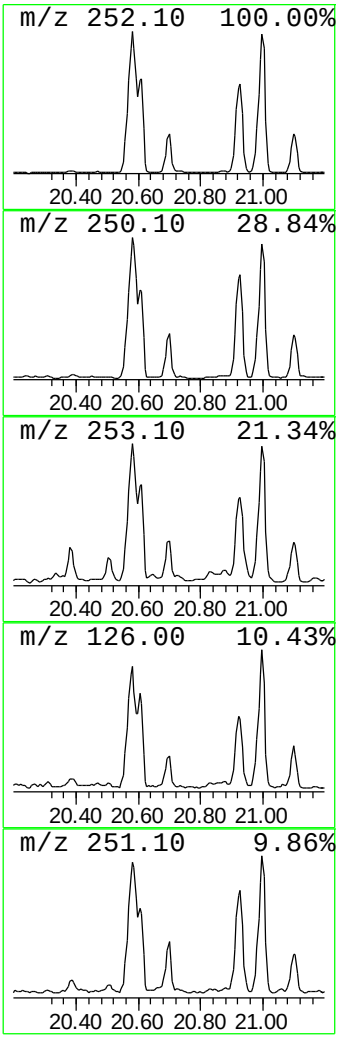
****

Peak Number 19 Perylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	13.51 ng	653685	Perylene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

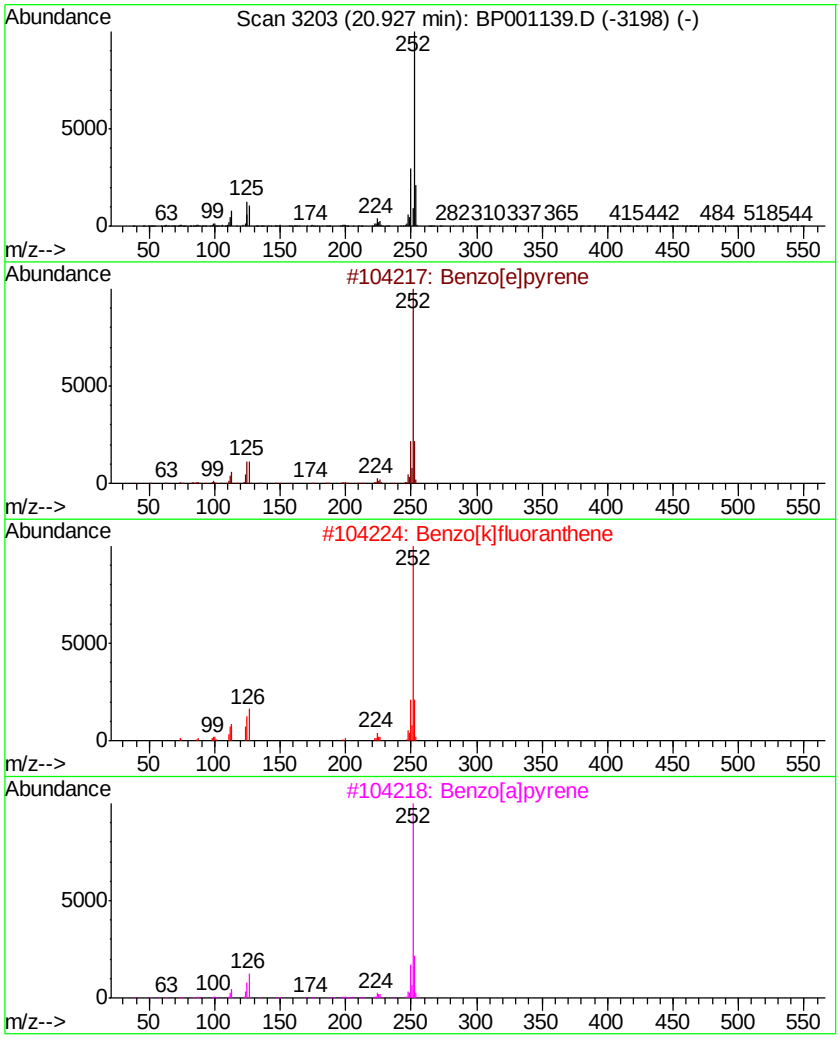
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

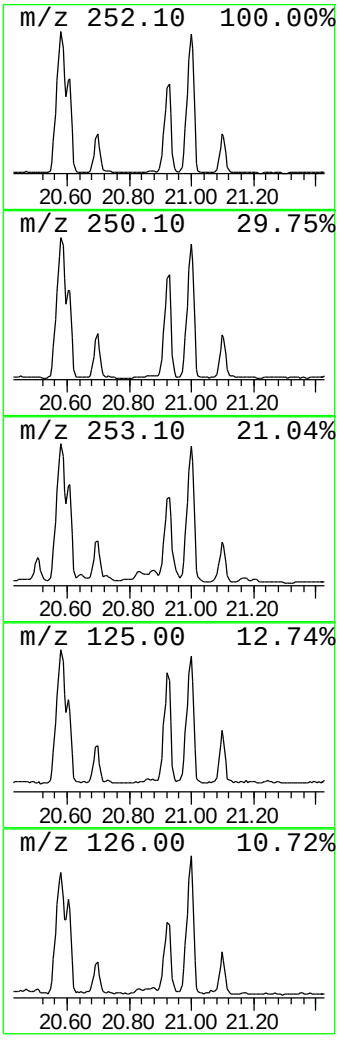
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	43.22 ng	2090640	Perylene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP120219\
Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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...	5.63	6.7	ng	321008	1	8.33	965523	20.0
unknown7.96	7.96	32.8	ng	1583500	1	8.33	965523	20.0
Tridecanoic acid,...	13.40	14.7	ng	1173280	3	13.23	1596550	20.0
Methyl tetradecan...	15.00	14.6	ng	980374	4	15.63	1344180	20.0
Dibenzothiophene,...	16.13	6.5	ng	433939	4	15.63	1344180	20.0
Hexadecanoic acid...	16.33	27.2	ng	1830730	4	15.63	1344180	20.0
Phenanthrene, 4-m...	16.39	17.4	ng	1170750	4	15.63	1344180	20.0
Phenanthrene, 2-m...	16.42	22.0	ng	1476970	4	15.63	1344180	20.0
1H-Cyclopropa[l]p...	16.49	9.8	ng	661283	4	15.63	1344180	20.0
4H-Cyclopenta[def...	16.53	36.9	ng	2478170	4	15.63	1344180	20.0
Anthracene, 1-met...	16.57	13.9	ng	932336	4	15.63	1344180	20.0
1,2,4,8-Tetrameth...	16.82	19.9	ng	1334620	4	15.63	1344180	20.0
Phenanthrene, 3,6...	17.07	6.5	ng	434329	4	15.63	1344180	20.0
Anthracene, 1,4-d...	17.17	20.6	ng	1383610	4	15.63	1344180	20.0
unknown17.22	17.22	14.3	ng	960307	4	15.63	1344180	20.0
9,12-Octadecadien...	17.29	81.0	ng	5447330	4	15.63	1344180	20.0
16-Octadecenoic a...	17.32	98.8	ng	6641090	4	15.63	1344180	20.0
Perylene	20.70	13.5	ng	653685	6	21.07	967500	20.0
Benzo[e]pyrene	20.93	43.2	ng	2090640	6	21.07	967500	20.0