LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

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-BP110619.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	2.311	33	38	47	rVB	532725	818047	11.14%	0.711%
2	5.734	616	620	633	rBV	438022	695106	9.46%	0.604%
3	6.310	708	718	722	rBV	3310547	4177791	56.88%	3.630%
4	7.816	965	974	981	rBV	3321656	4703294	64.04%	4.087%
5	8.010	1001	1007	1012	rBV	3616297	4719317	64.25%	4.101%
6	8.375	1064	1069	1075	rVB	1275058	1398879	19.05%	1.215%
7	8.616	1104	1110	1114	rBV	3440661	3858711	52.54%	3.353%
8	9.251	1211	1218	1222	rBV	2336699	2823219	38.44%	2.453%
9	10.398	1408	1413	1417	rBV	1474347	1757208	23.92%	1.527%
10	12.181	1709	1716	1720	rBV	5240249	6007460	81.79%	5.220%
11	12.716	1800	1807	1811	rBV	127630	195218	2.66%	0.170%
12	12.845	1825	1829	1833	rVB	364734	394467	5.37%	0.343%
13	12.904	1833	1839	1842	rBV3	83114	129992	1.77%	0.113%
14	13.028	1854	1860	1865	rBV	316254	400139	5.45%	0.348%
15	13.263	1894	1900	1904	rBV	1834683	2249328	30.63%	1.954%
16	13.310	1904	1908	1913	rVB	249513	306085	4.17%	0.266%
17	13.598	1952	1957	1959	rBV	113770	157772	2.15%	0.137%
18	13.681	1967	1971	1976	rVB	106872	124581	1.70%	0.108%
19	13.798	1985	1991	1996	rBV2	86318	188030	2.56%	0.163%
20	13.845	1996	1999	2006	rVB	89856	108174	1.47%	0.094%
21	13.934	2010	2014	2019	rBV3	84102	168414	2.29%	0.146%
22	14.081	2035	2039	2043	rBV2	130570	183578	2.50%	0.160%
23	14.157	2049	2052	2060	rVB	332359	429651	5.85%	0.373%
24	14.434	2095	2099	2109	rVB4	131820	278162	3.79%	0.242%
25	14.551	2111	2119	2131	rVV	3158500	4354767	59.29%	3.784%
26	14.863	2168	2172	2175	rBV	138635	186709	2.54%	0.162%
27	14.892	2175	2177	2184	rVB4	76888	146010	1.99%	0.127%
28	15.063	2201	2206	2210	rBV4	99833	173886	2.37%	0.151%
29	15.104	2210	2213	2219	rVB4	99845	151028	2.06%	0.131%
30	15.192	2219	2228	2233	rBV3	87410	217911	2.97%	0.189%
31	15.281	2239	2243	2246	rBV3	101265	140390	1.91%	0.122%
32	15.451	2268	2272	2276	rBV3	112436	177965	2.42%	0.155%
33	15.492	2276	2279	2283	rVB	206334	232030	3.16%	0.202%
34	15.575	2289	2293	2296	rVB	133488	133359	1.82%	0.116%

LSC Area Percent Report

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Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

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-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.657	2303	2307	2310	rVV	1848162	2095769	28.53%	1.821%
36	15.692	2310	2313	2318	rVB	2958739	3133939	42.67%	2.723%
37	15.769	2319	2326	2330	rBV	839079	953372	12.98%	0.828%
38	15.851	2337	2340	2343	rVB2	90421	102337	1.39%	0.089%
39	16.010	2364	2367	2374	rVB	197391	254056	3.46%	0.221%
40	16.069	2374	2377	2381	rBV4	60932	99508	1.35%	0.086%
41	16.157	2389	2392	2398	rVB	196099	230616	3.14%	0.200%
42	16.210	2398	2401	2404	rBV2	167872	189873	2.59%	0.165%
43	16.281	2409	2413	2417	rVB	111731	157546	2.15%	0.137%
44	16.351	2420	2425	2429	rBV	1896668	2059352	28.04%	1.789%
45	16.410	2431	2435	2438	rVV	590685	682331	9.29%	0.593%
46	16.451	2438	2442	2448	rVB	837760	967843	13.18%	0.841%
47	16.516	2449	2453	2455	rBV	322726	360413	4.91%	0.313%
48	16.563	2455	2461	2465	rVV2	1048740	1736471	23.64%	1.509%
49	16.598	2465	2467	2471	rVB	491723	468170	6.37%	0.407%
50	16.798	2498	2501	2504	rVB2	163729	167164	2.28%	0.145%
51	16.845	2504	2509	2514	rBV2	440097	764460	10.41%	0.664%
52	17.016	2535	2538	2541	rBV	106278	113036	1.54%	0.098%
53	17.051	2541	2544	2547	rVV	144586	162630	2.21%	0.141%
54	17.092	2548	2551	2554	rVV	194569	213889	2.91%	0.186%
55	17.122	2554	2556	2560	rVB2	183216	197492	2.69%	0.172%
56	17.192	2564	2568	2572	rBV	479305	678206	9.23%	0.589%
57	17.239	2572	2576	2579	rVV	310365	413834	5.63%	0.360%
58	17.269	2579	2581	2583	rVV	148531	150693	2.05%	0.131%
59	17.310	2583	2588	2591	rVV	5128829	6277708	85.47%	5.455%
60	17.345	2591	2594	2597	rVV	6955929	7344714	100.00%	6.382%
61	17.404	2600	2604	2608	rVB	4256502	4871638	66.33%	4.233%
62	17.463	2611	2614	2617	rVV	638285	668952	9.11%	0.581%
63	17.492	2617	2619	2622	rVV3	230726	250655	3.41%	0.218%
64	17.528	2622	2625	2629	rVB2	405586	479822	6.53%	0.417%
65	17.598	2633	2637	2640	rBV4	180518	272882	3.72%	0.237%
66	17.628	2640	2642	2646	rVB2	210323	224382	3.06%	0.195%
67	17.710	2650	2656	2660	rVB	4003434	5069389	69.02%	4.405%
68	17.780	2660	2668	2671	rVB4	281358	524576	7.14%	0.456%
69	17.816	2671	2674	2675	rBV	156048	150409	2.05%	0.131%
70	17.880	2682	2685	2688	rBV2	282128	279801	3.81%	0.243%
71	17.939	2688	2695	2699	rVV	5828560	6278248	85.48%	5.455%

LSC Area Percent Report

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Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

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-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.016	2702	2708	2712	rBV2	341318	625922	8.52%	0.544%
73	18.133	2724	2728	2730	rBV2	247740	391123	5.33%	0.340%
74	18.163	2730	2733	2737	rVB	712808	791851	10.78%	0.688%
75	18.204	2737	2740	2742	rBV	127629	154579	2.10%	0.134%
76	18.251	2745	2748	2752	rVB	526528	540756	7.36%	0.470%
77	18.298	2752	2756	2766	rVB2	708978	1191176	16.22%	1.035%
78	18.375	2767	2769	2772	rVB2	120391	122470	1.67%	0.106%
79	18.416	2773	2776	2780	rBV2	449748	526269	7.17%	0.457%
80	18.457	2780	2783	2788	rVB	327943	349616	4.76%	0.304%
81	18.757	2832	2834	2838	rVB4	187336	189596	2.58%	0.165%
82	18.822	2842	2845	2853	rVB	323911	518638	7.06%	0.451%
83	18.969	2866	2870	2874	rBV2	433620	643069	8.76%	0.559%
84	19.010	2874	2877	2879	rVV	328049	300146	4.09%	0.261%
85	19.033	2879	2881	2883	rVB	179662	149642	2.04%	0.130%
86	19.092	2889	2891	2897	rVB	337913	410143	5.58%	0.356%
87	19.163	2900	2903	2912	rVB4	458977	838639	11.42%	0.729%
88	19.292	2920	2925	2929	rBV2	2870655	4925794	67.07%	4.280%
89	19.333	2929	2932	2935	rVB	1959201	2034080	27.69%	1.767%
90	19.474	2954	2956	2959	rBV	218527	209136	2.85%	0.182%
91	19.539	2965	2967	2970	rBV2	180610	176490	2.40%	0.153%
92	19.586	2973	2975	2980	rVV	309526	322022	4.38%	0.280%
93	19.798	3009	3011	3015	rVB	509268	557492	7.59%	0.484%
94	19.845	3016	3019	3022	rVB	284937	298958	4.07%	0.260%
95	19.922	3029	3032	3034	rBV2	246847	232841	3.17%	0.202%
96	19.980	3040	3042	3044	rVB	289754	224926	3.06%	0.195%
97	20.592	3141	3146	3150	rBV	1540297	2814516	38.32%	2.446%
98	20.945	3202	3206	3213	rVB	767119	1143433	15.57%	0.994%
99	21.016	3213	3218	3223	rVB	1233890	1672532	22.77%	1.453%
100	21.086	3226	3230	3234	rBV	1093975	1500773	20.43%	1.304%

Sum of corrected areas: 115089482

LSC Report - Integrated Chromatogram

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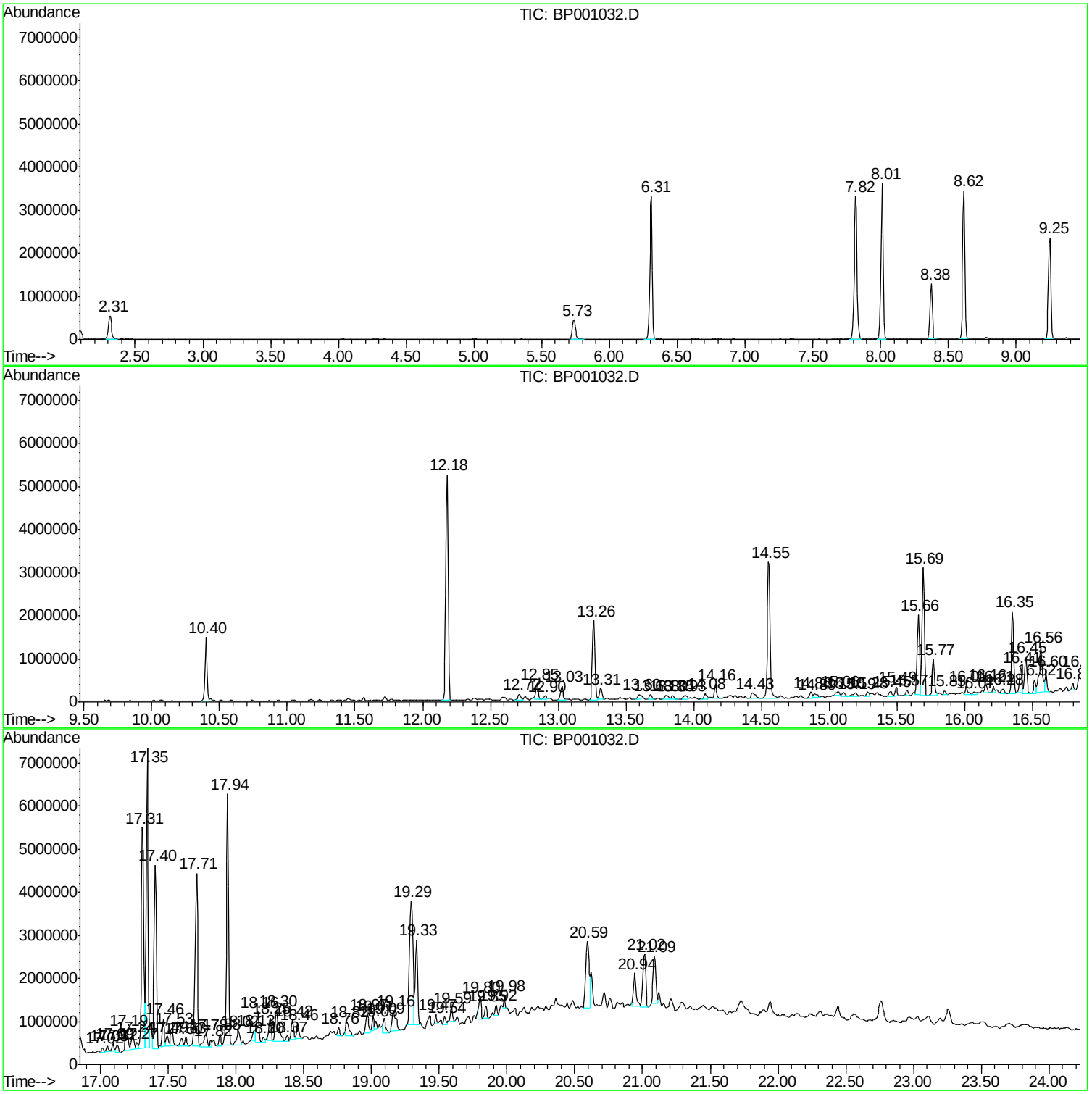
Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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\BP111119\
Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
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Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

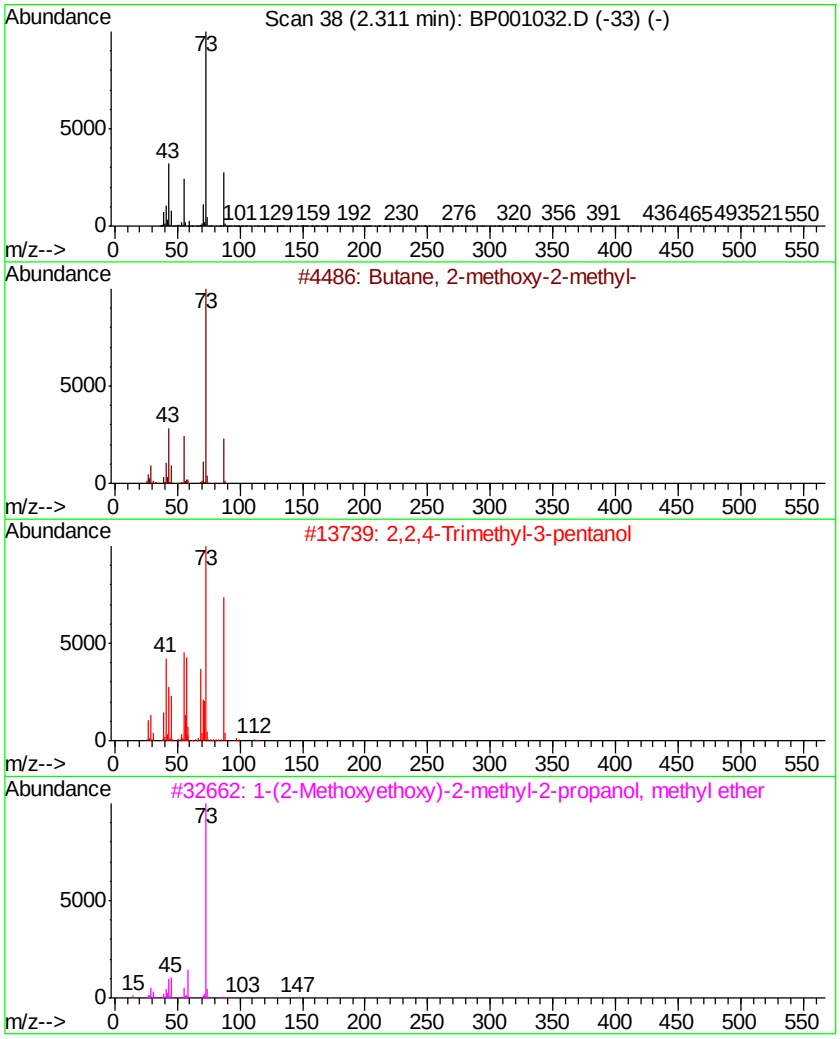
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

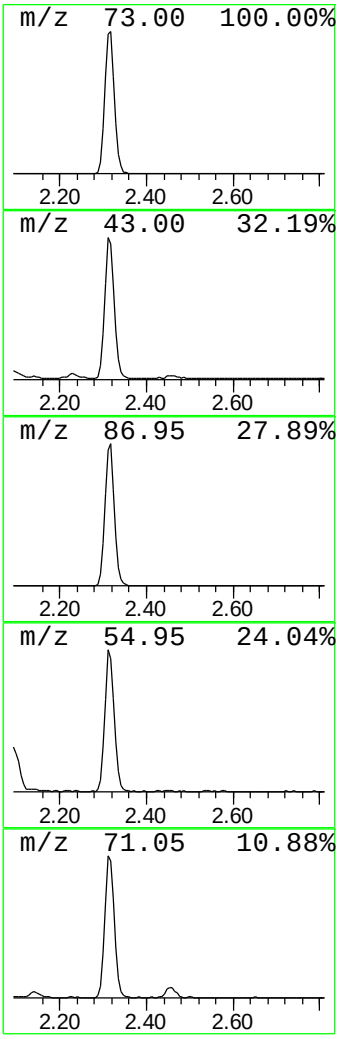
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.31	11.70 ng	818047	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

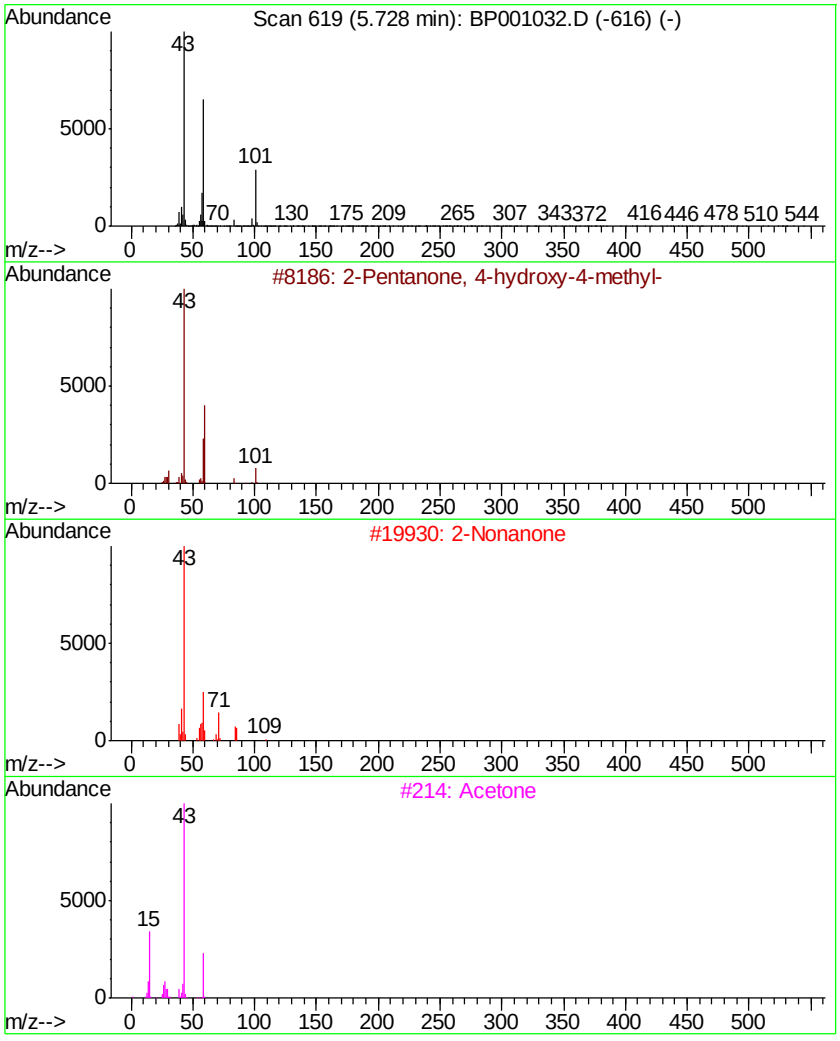
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

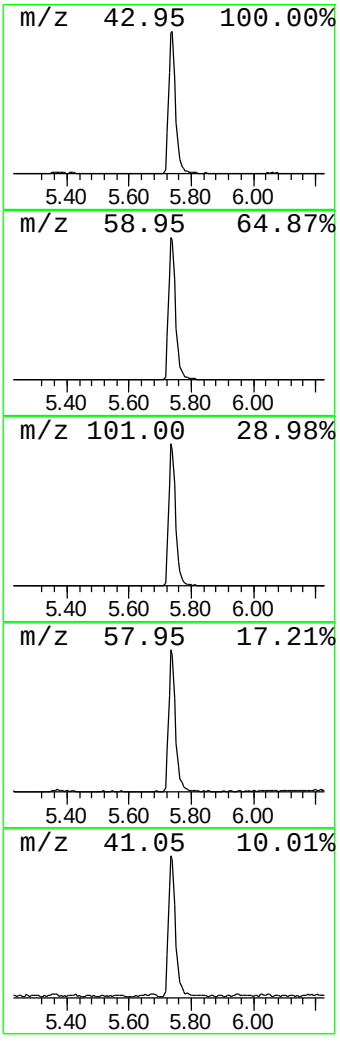
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	9.94 ng	695106	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Nonanone	142	C9H18O	000821-55-6	12
3	Acetone	58	C3H6O	000067-64-1	10
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

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Instrument : BNA_P
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
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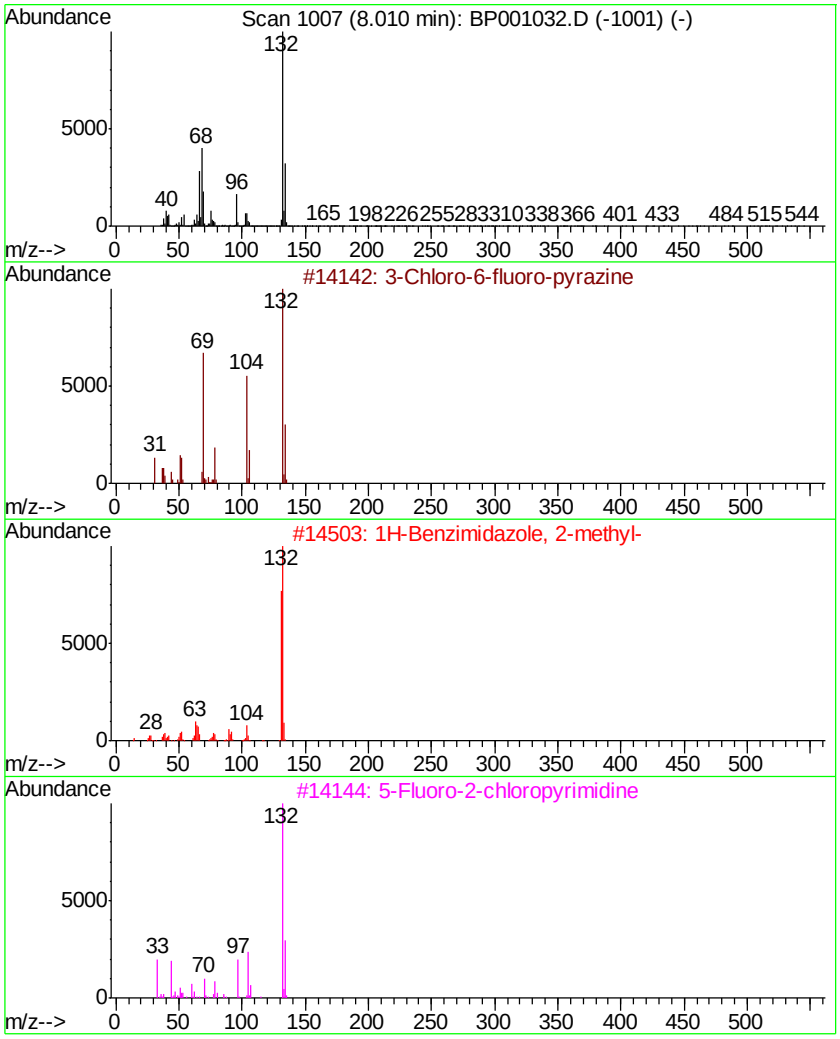
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

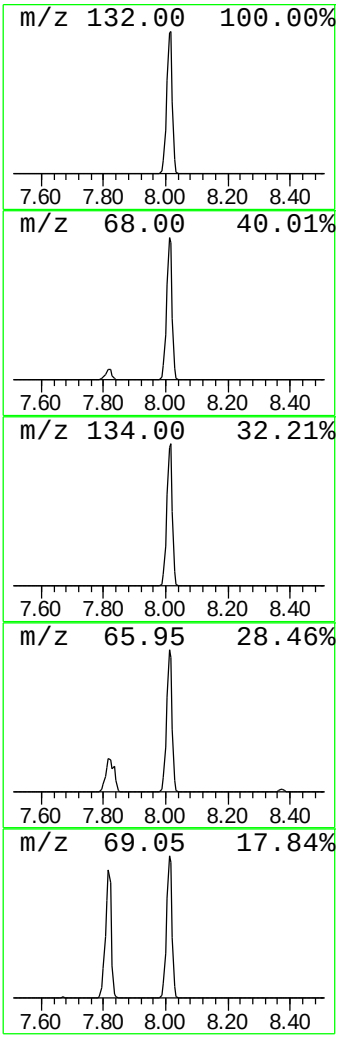
****

Peak Number 3 unknown8.01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	67.47 ng	4719320	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10





Library Search Compound Report

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Data File : BP001032.D
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

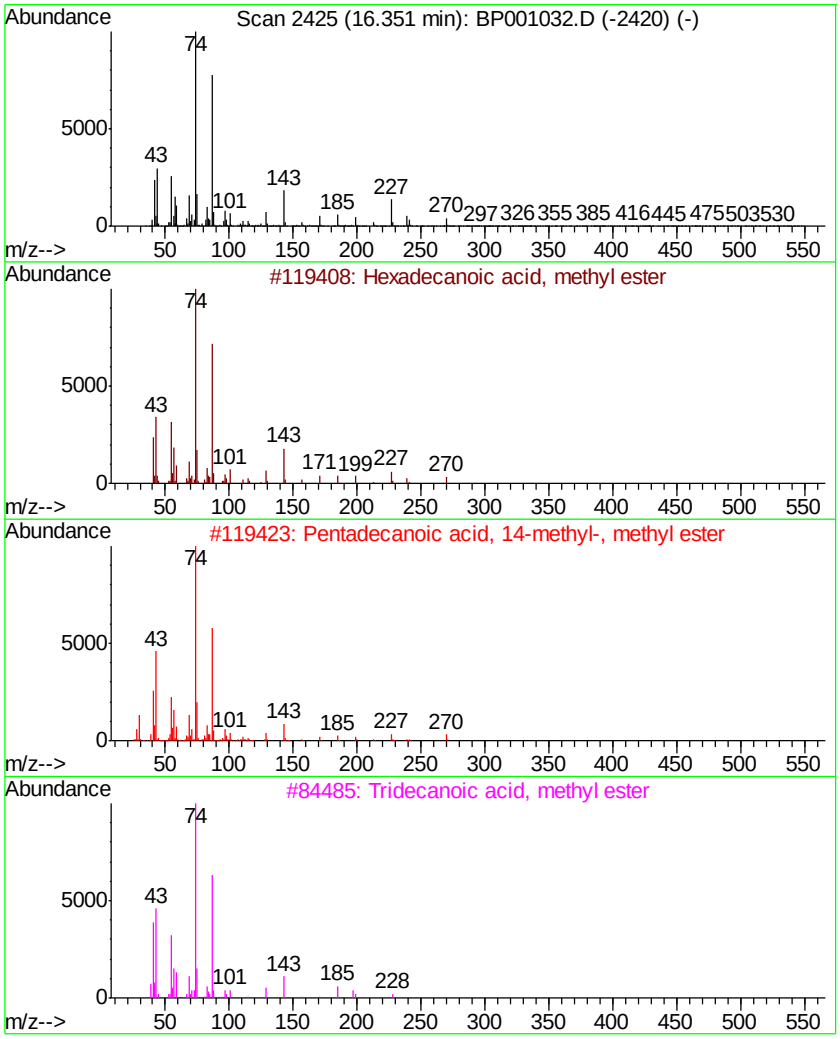
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

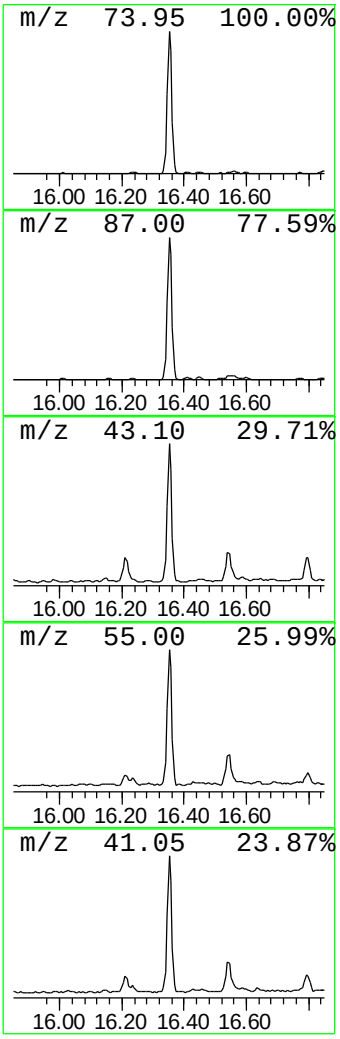
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	19.65 ng	2059350	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	92
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86





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Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
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Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

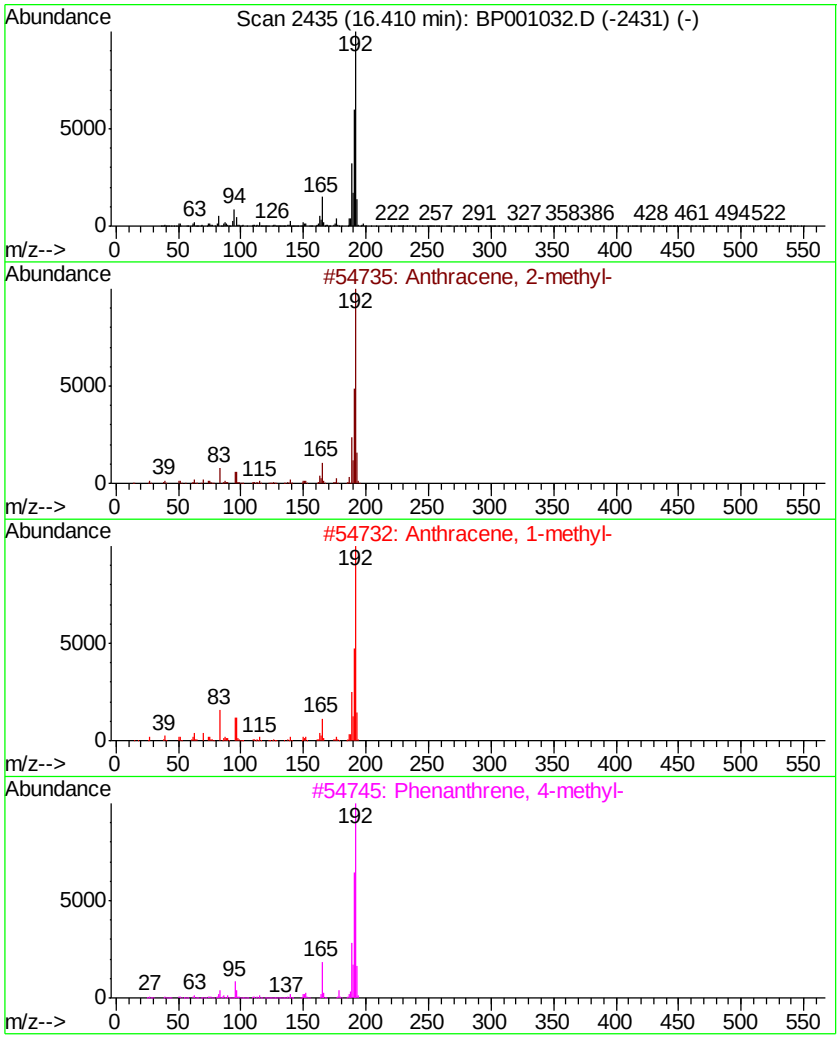
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

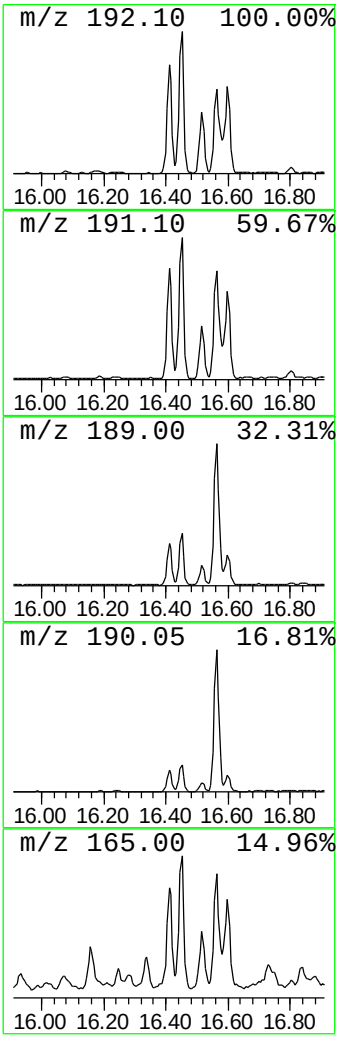
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	6.51 ng	682331	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

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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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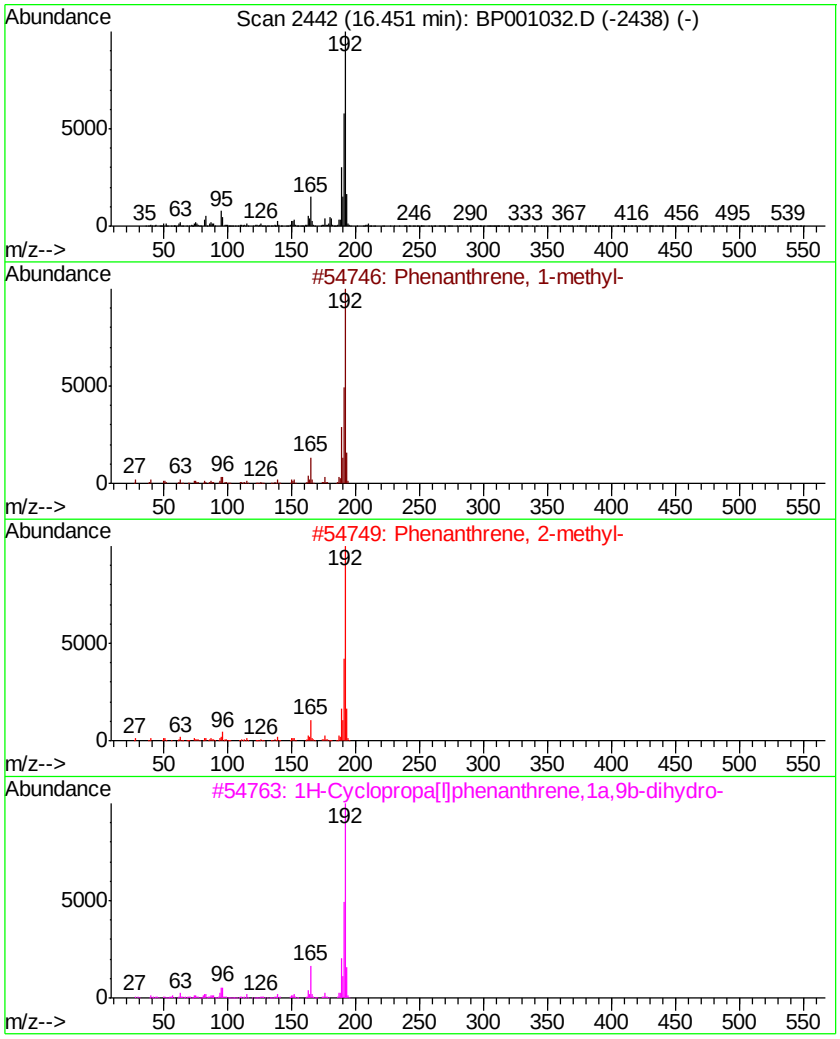
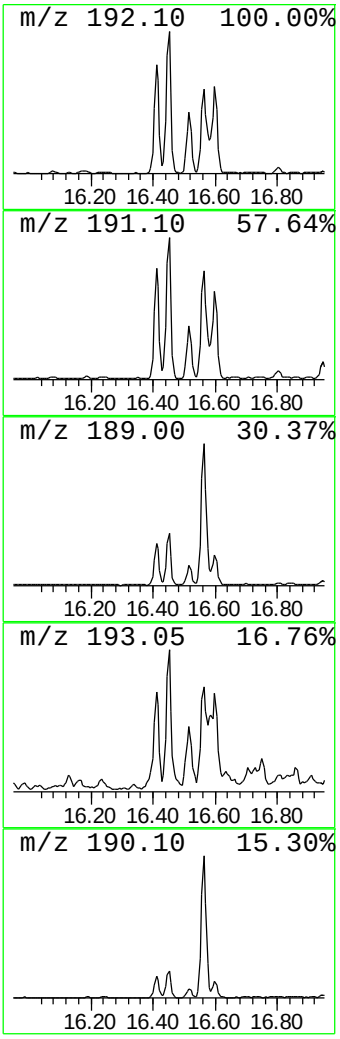
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	9.24 ng	967843	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : K5676-11
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

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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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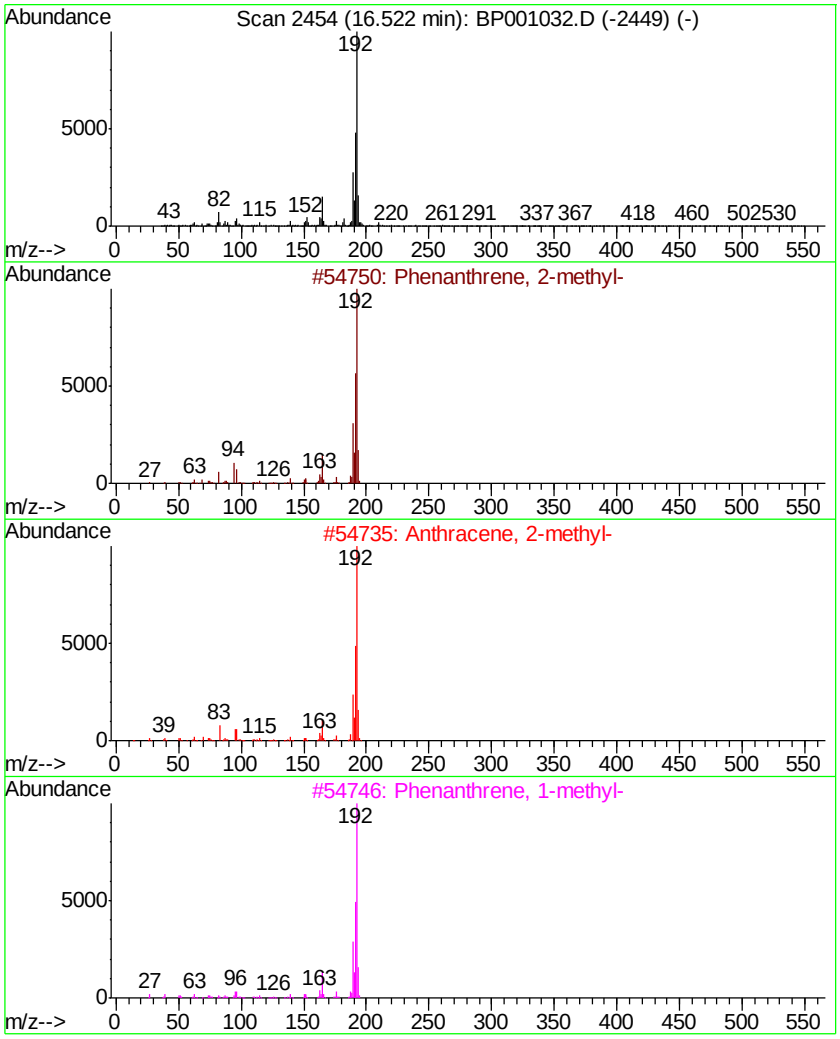
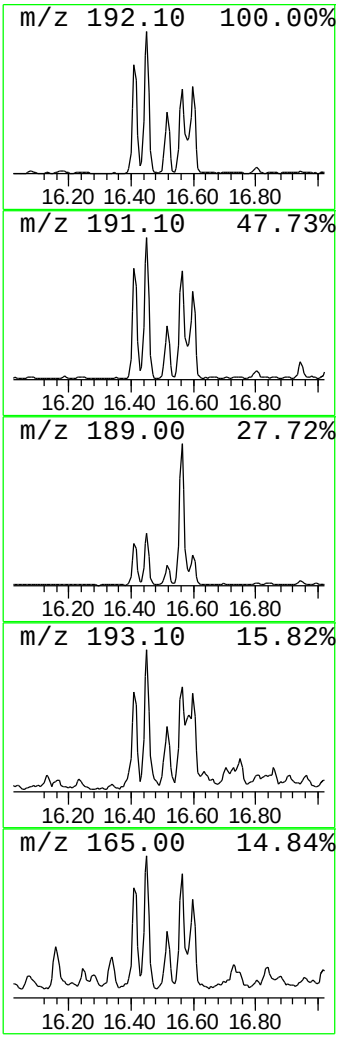
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	3.44 ng	360413	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

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Sample : K5676-11
Misc :
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Instrument : BNA_P
ClientSampleId : SU-03-110819

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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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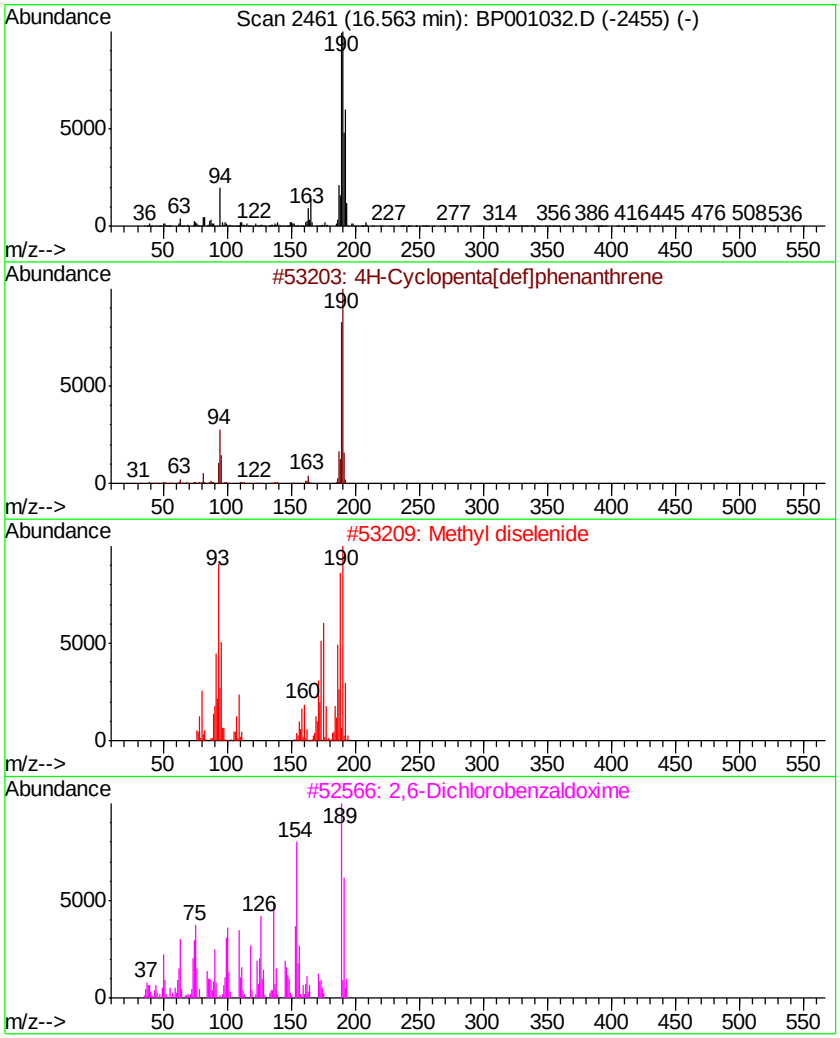
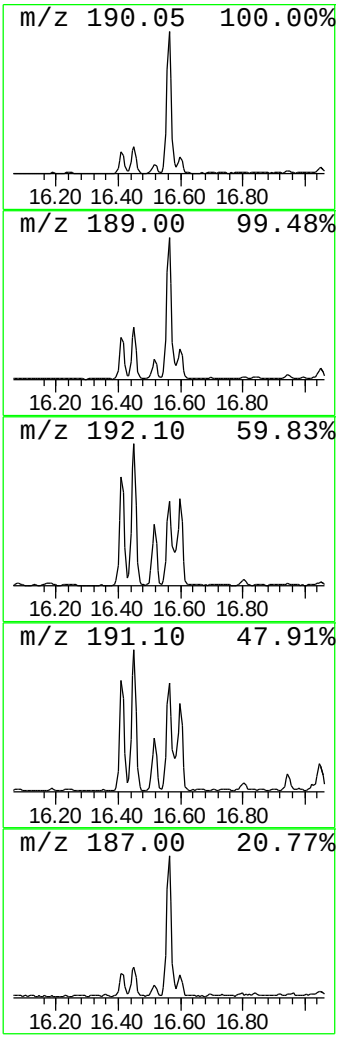
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	16.57 ng	1736470	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





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Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

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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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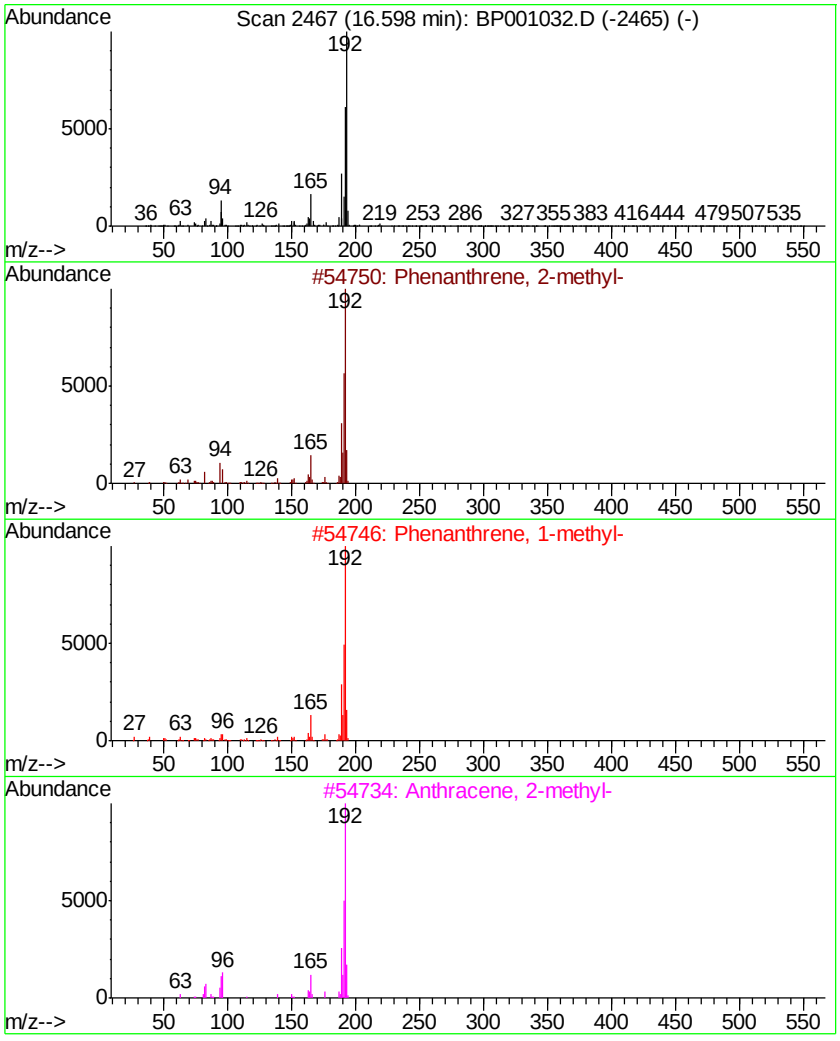
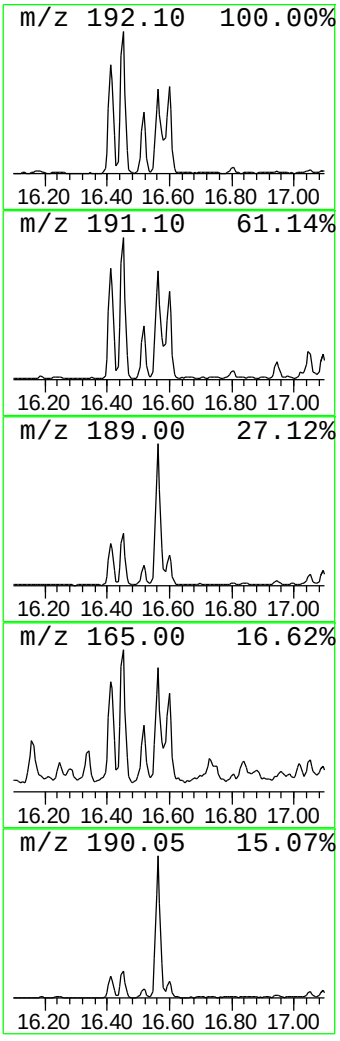
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	4.47 ng	468170	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





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Operator : JU
Sample : K5676-11
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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : SU-03-110819

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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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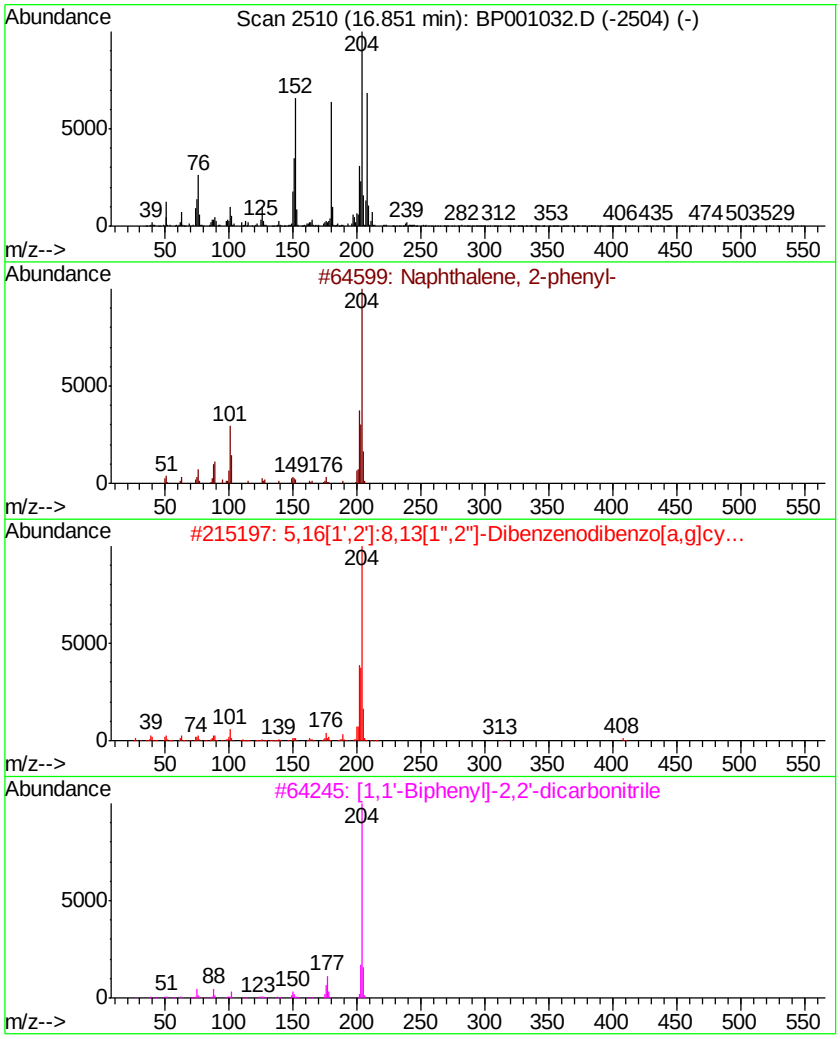
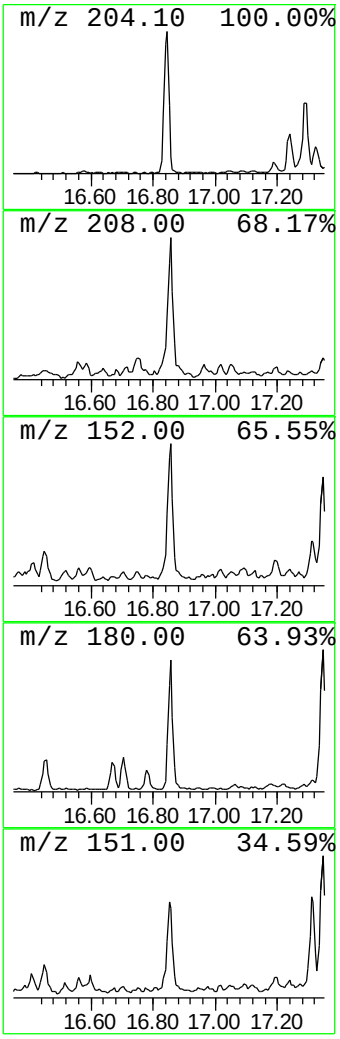
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	7.30 ng	764460	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49





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Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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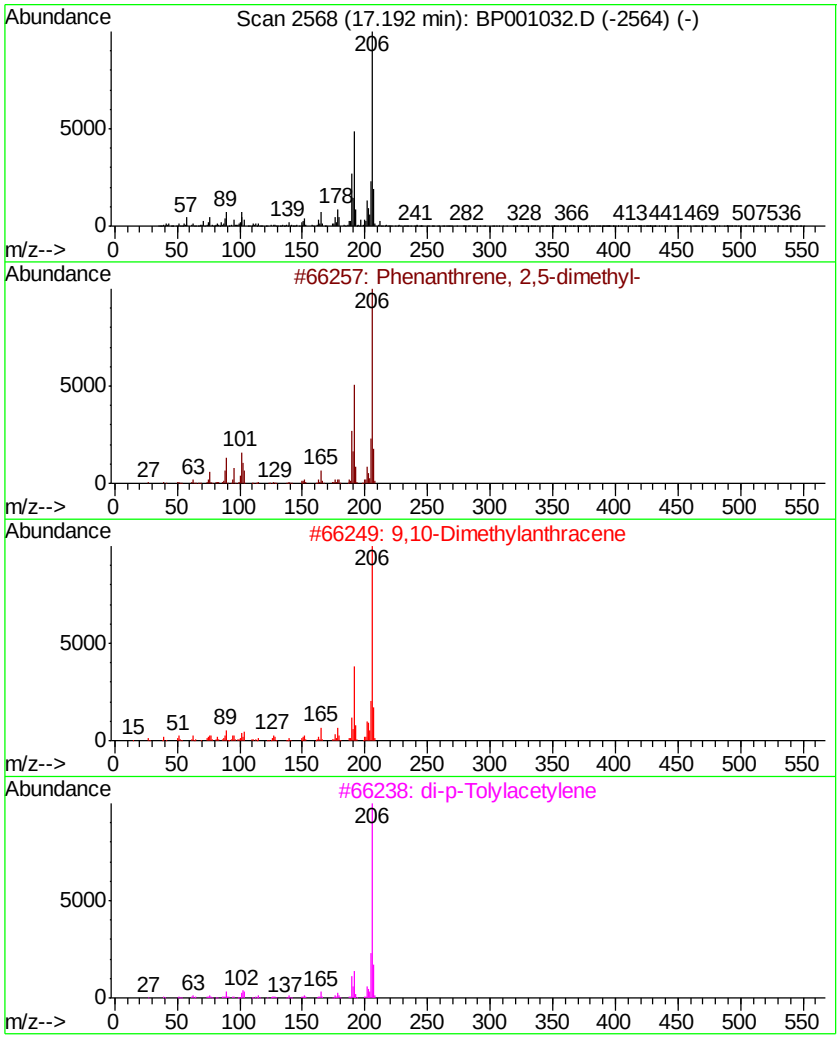
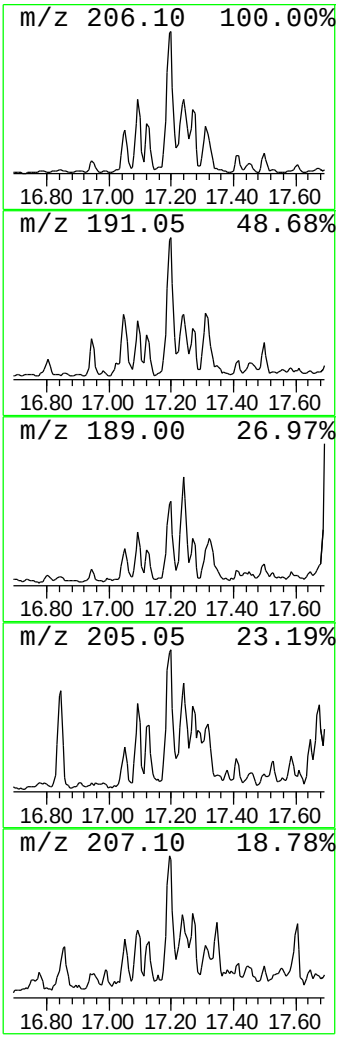
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	6.47 ng	678206	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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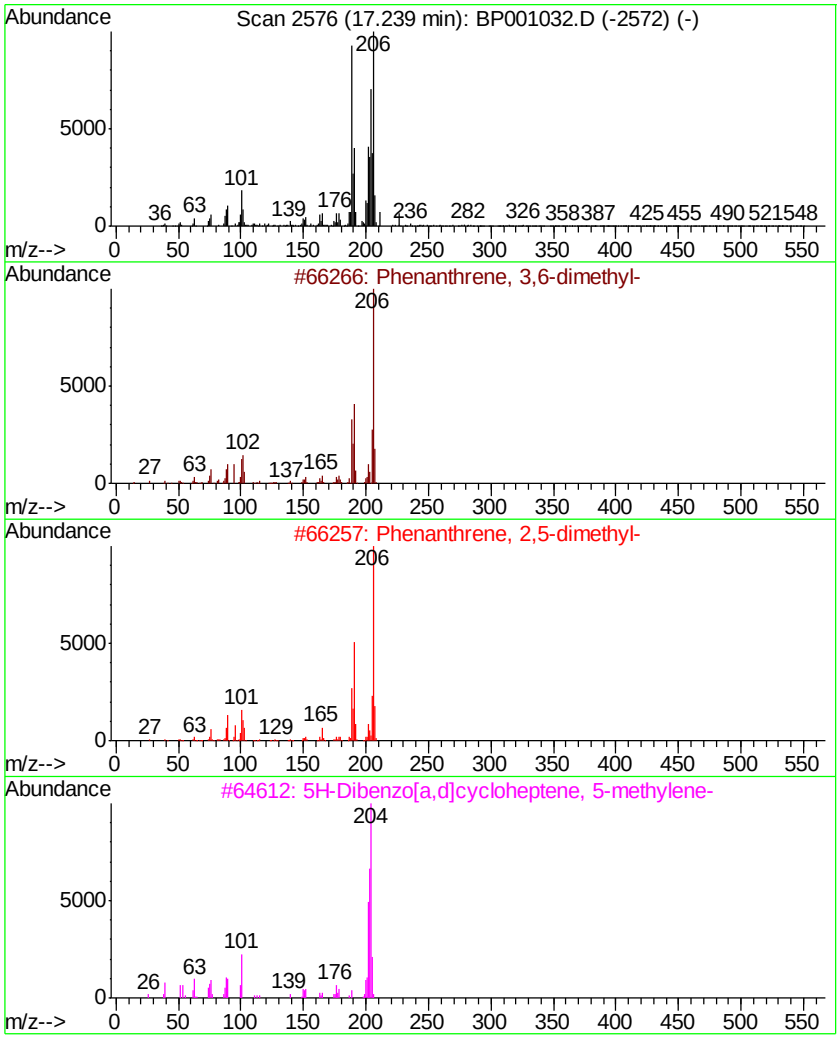
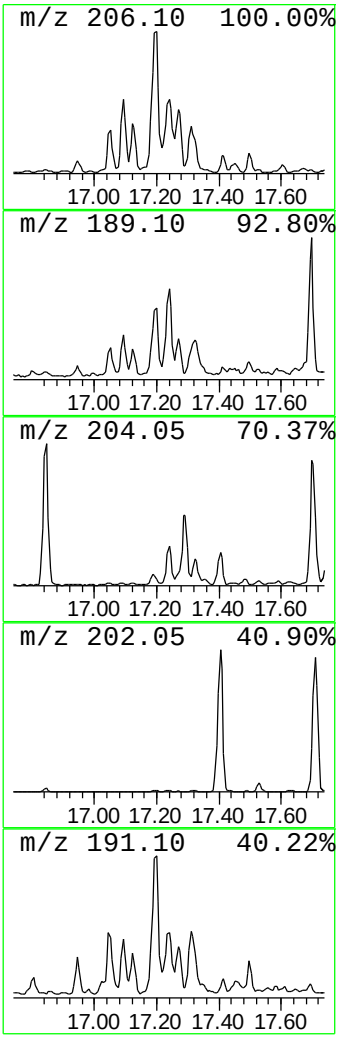
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	3.95 ng	413834	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	55
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46





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ClientSampleId : SU-03-110819

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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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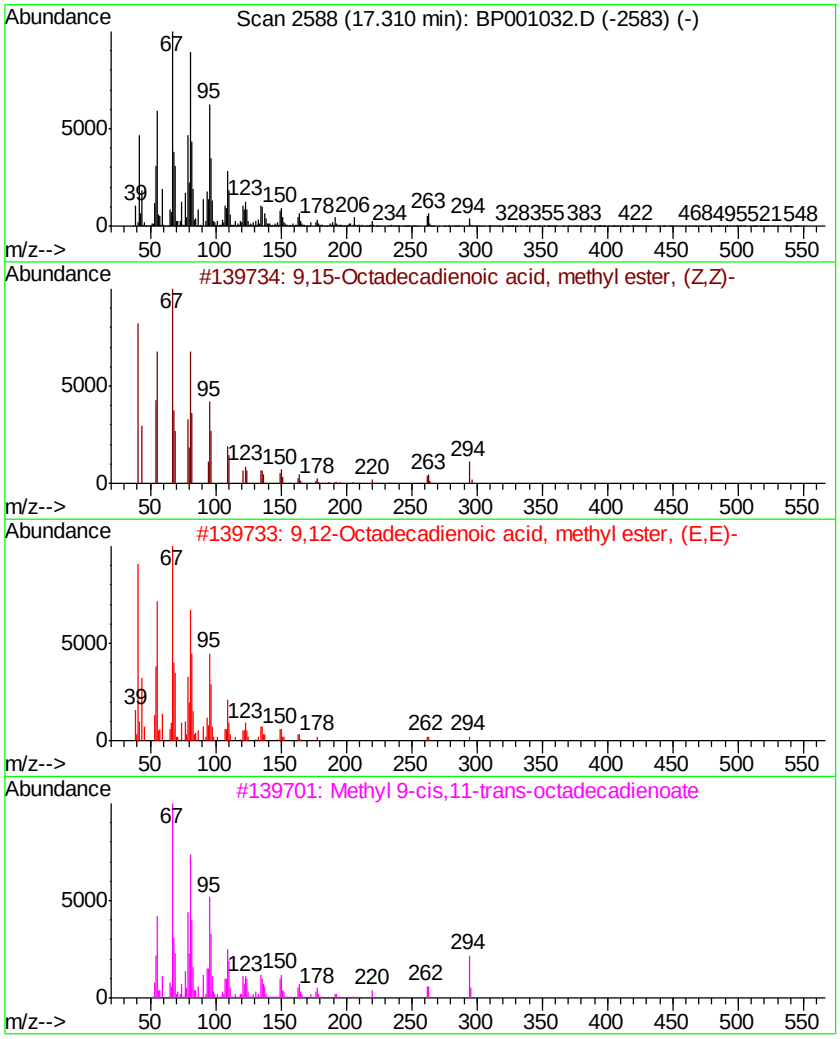
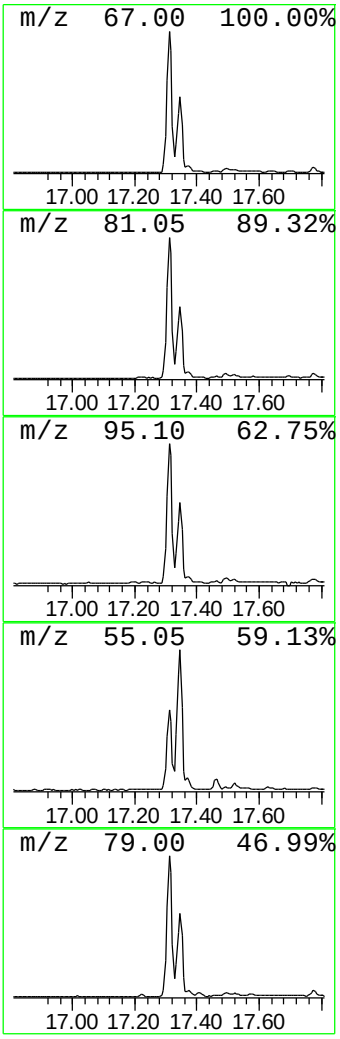
Peak Number 14 9,15-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	59.91 ng	6277710	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	97
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	96





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

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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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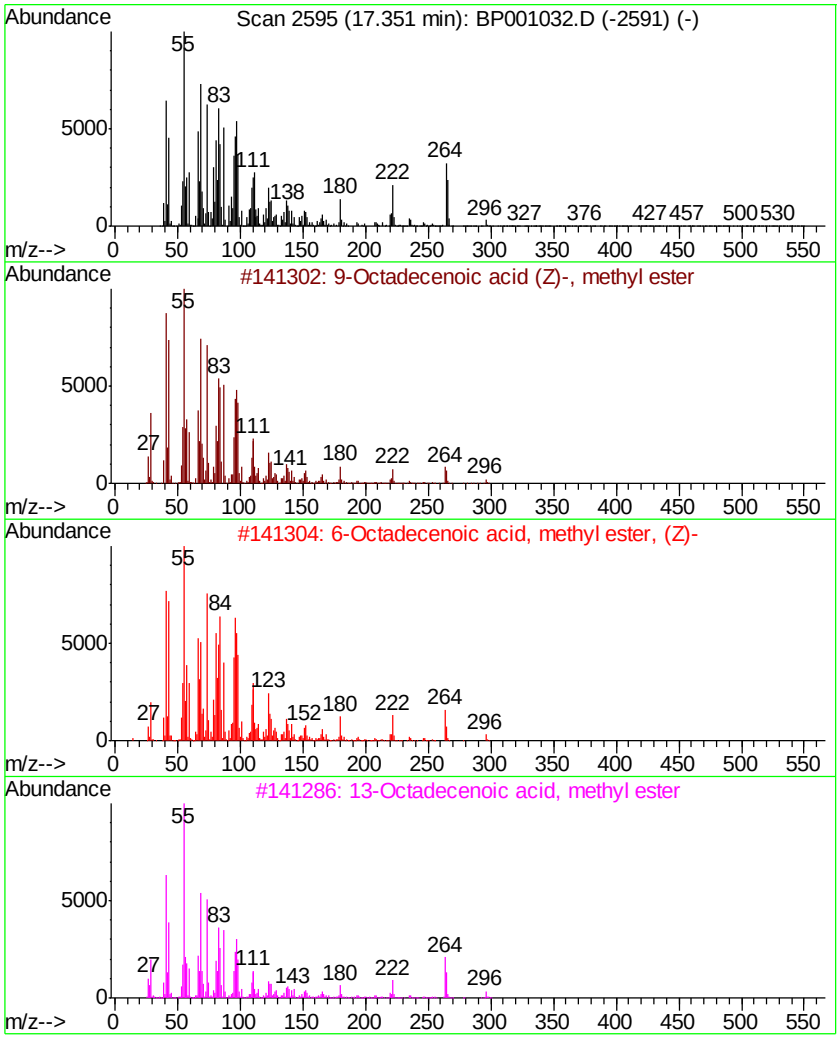
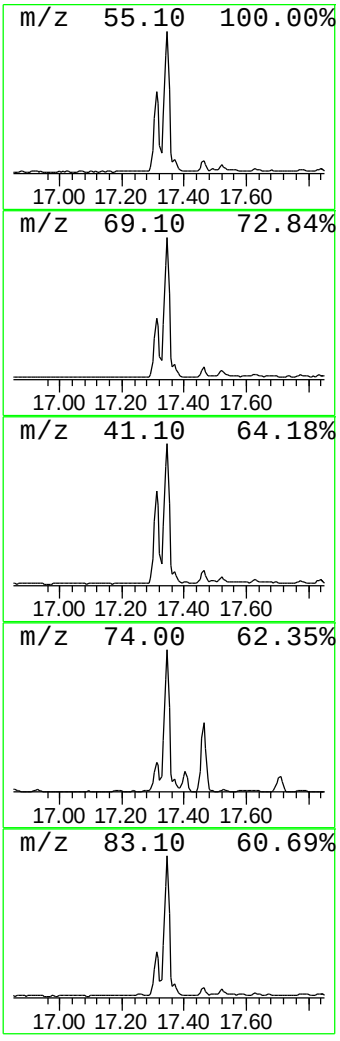
Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	70.09 ng	7344710	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99





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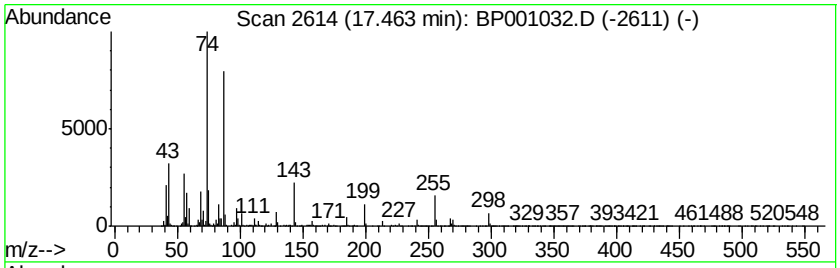
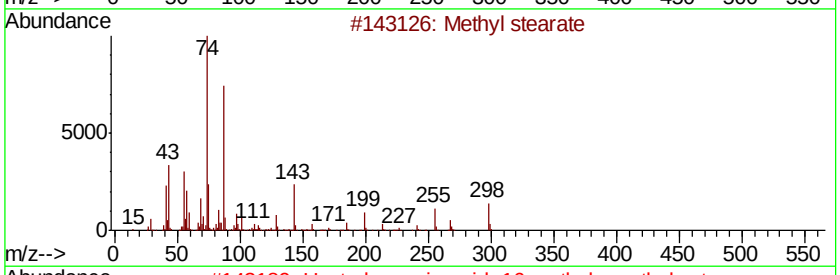
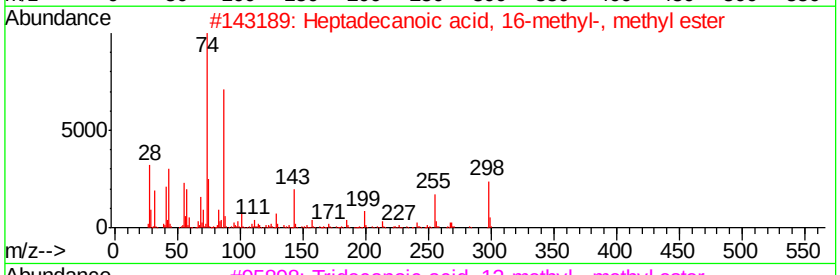
Peak Number 16 Methyl stearate Concentration Rank 14

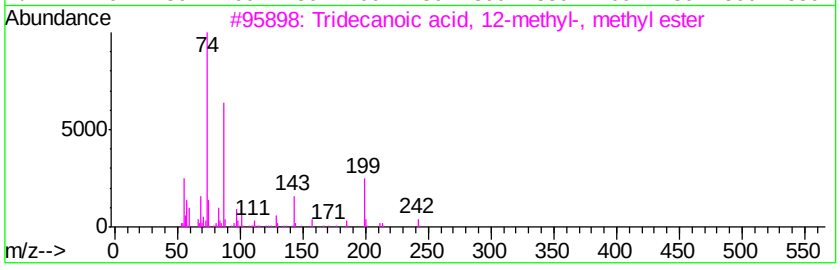
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	6.38 ng	668952	Phenanthrene-d10	15.66

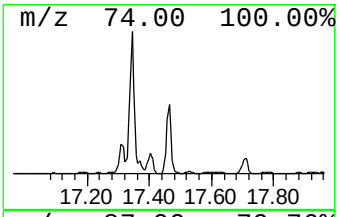
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
3	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	83
4	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	80
5	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	80

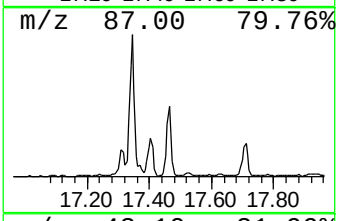


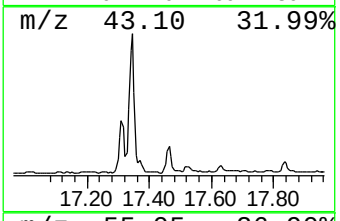


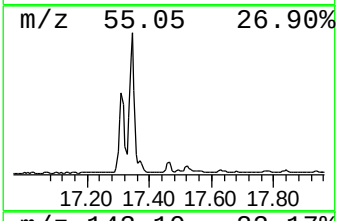


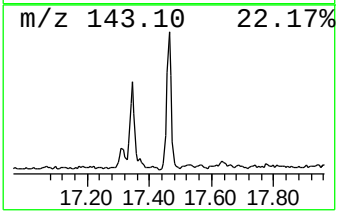












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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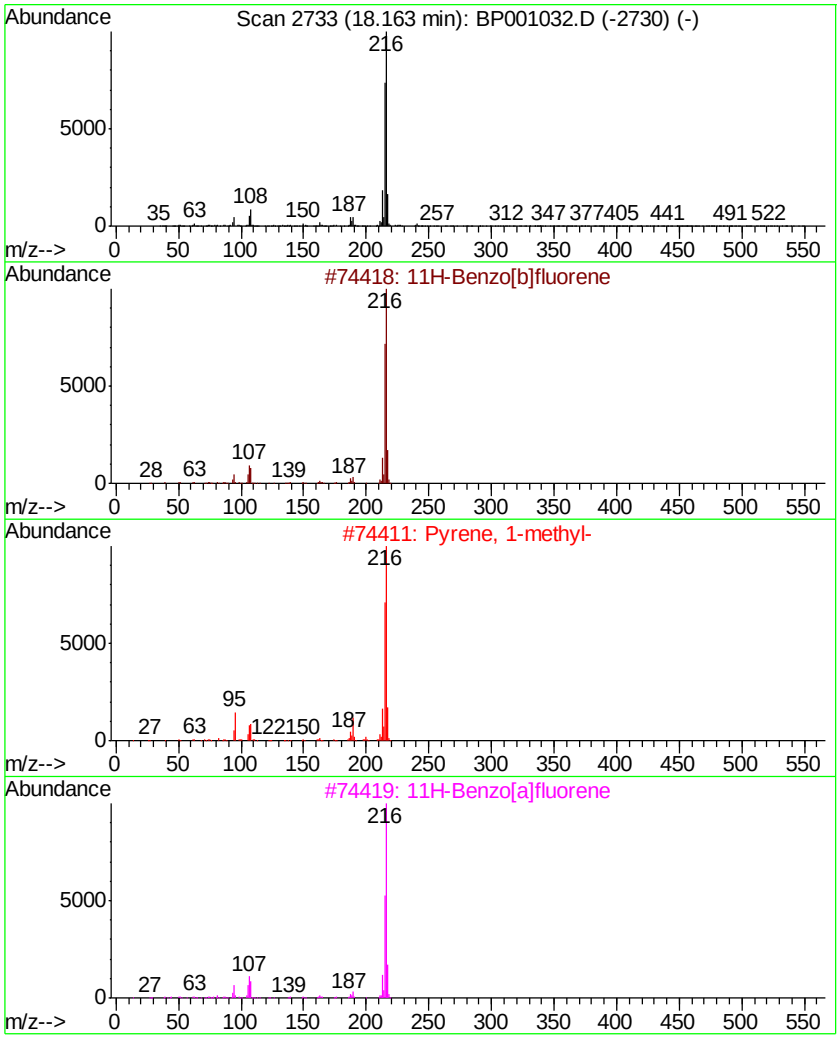
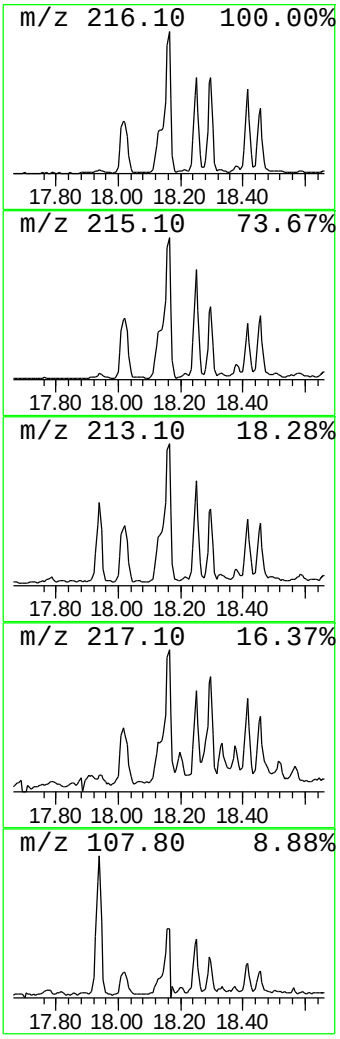
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.22 ng	791851	Chrysene-d12	19.30

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	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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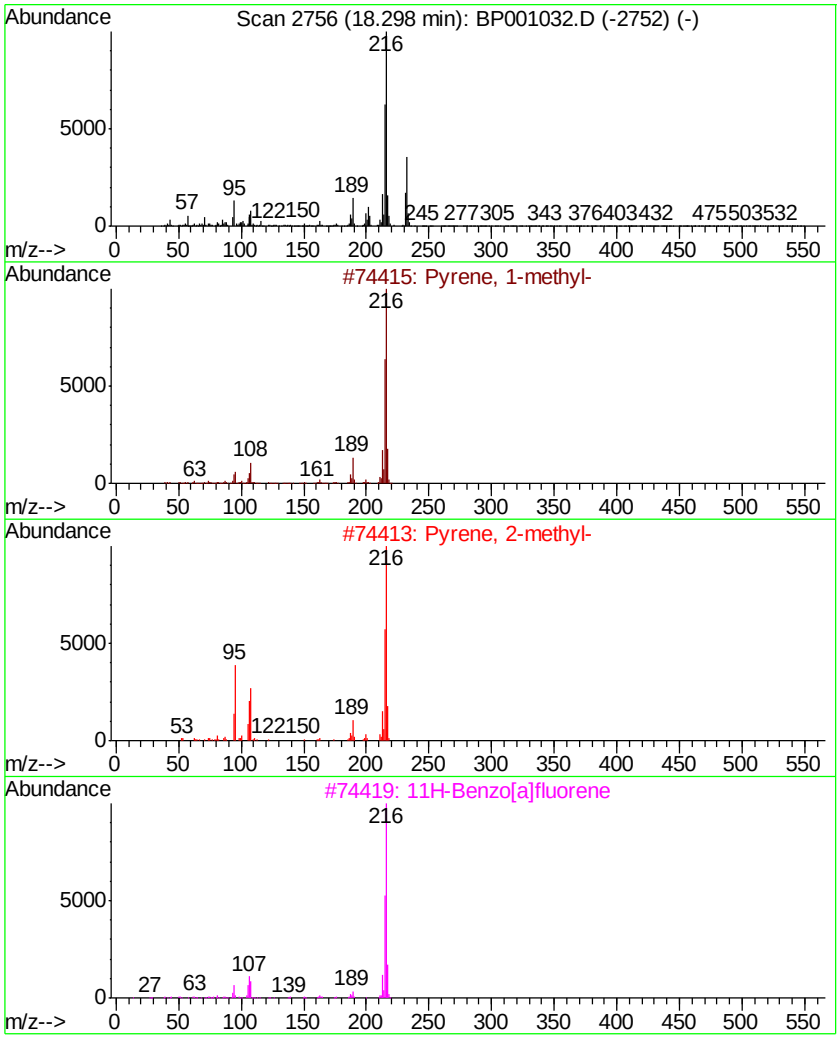
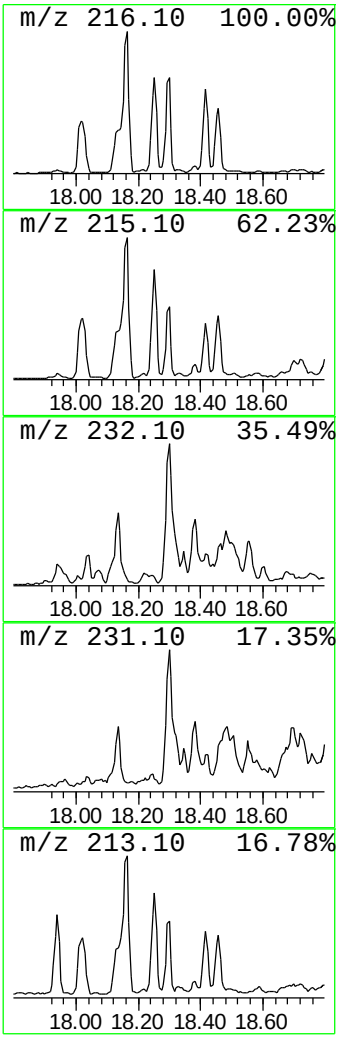
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	4.84 ng	1191180	Chrysene-d12	19.30

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	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Library Search Compound Report

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Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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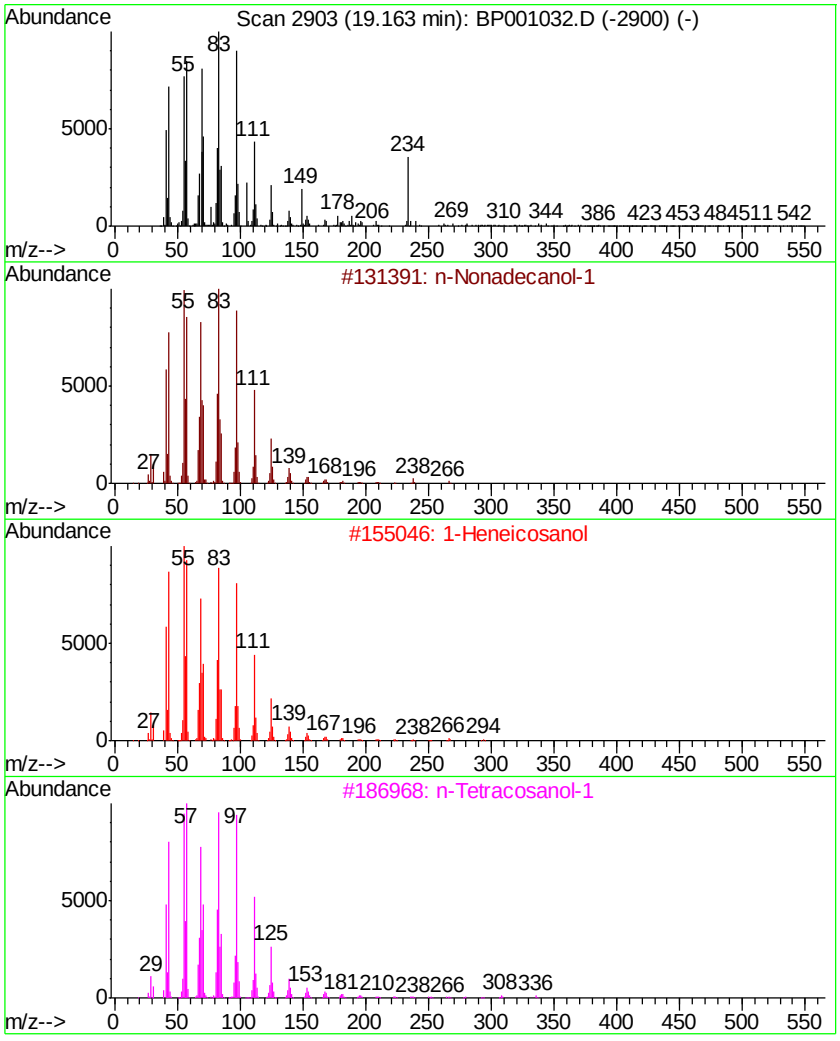
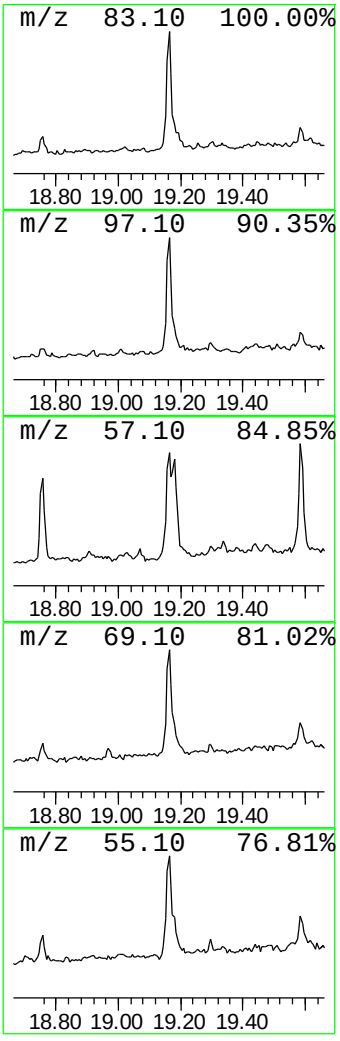
Peak Number 19 n-Nonadecanol-1 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	3.41 ng	838639	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
4	Behenic alcohol	326	C22H46O	000661-19-8	91
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	90





Library Search Compound Report

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Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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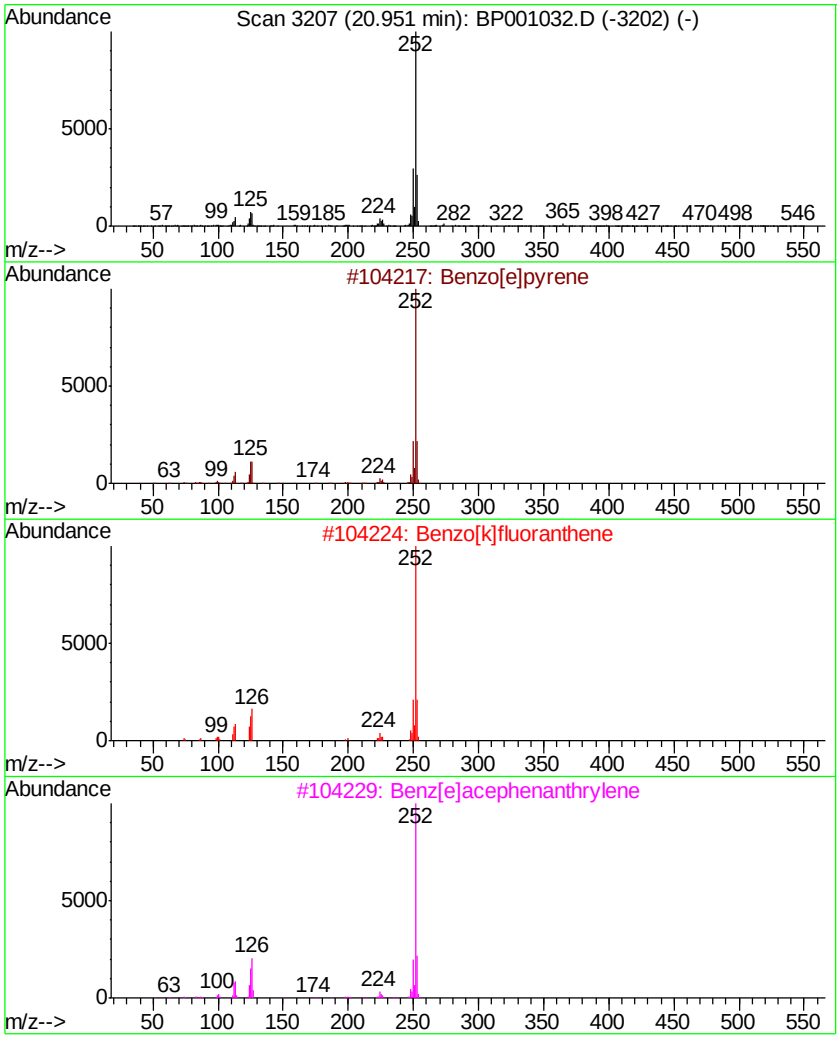
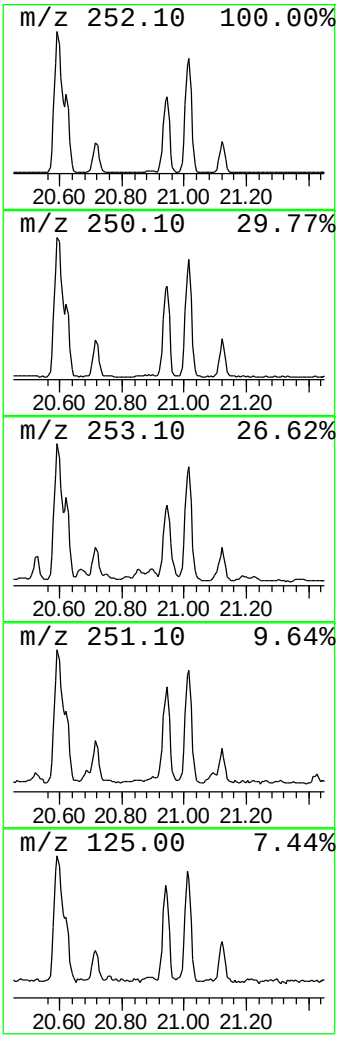
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	15.24 ng	1143430	Perylene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP111119\
Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
Operator : JU
Sample : K5676-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-03-110819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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
Butane, 2-methoxy...	2.31	11.7	ng	818047	1	8.38	1398880	20.0
2-Pentanone, 4-hy...	5.73	9.9	ng	695106	1	8.38	1398880	20.0
unknown8.01	8.01	67.5	ng	4719320	1	8.38	1398880	20.0
Hexadecanoic acid...	16.35	19.6	ng	2059350	4	15.66	2095770	20.0
Anthracene, 1-met...	16.41	6.5	ng	682331	4	15.66	2095770	20.0
Phenanthrene, 1-m...	16.45	9.2	ng	967843	4	15.66	2095770	20.0
Phenanthrene, 2-m...	16.52	3.4	ng	360413	4	15.66	2095770	20.0
4H-Cyclopenta[def...	16.56	16.6	ng	1736470	4	15.66	2095770	20.0
Anthracene, 2-met...	16.60	4.5	ng	468170	4	15.66	2095770	20.0
Naphthalene, 2-ph...	16.85	7.3	ng	764460	4	15.66	2095770	20.0
Phenanthrene, 2,5...	17.19	6.5	ng	678206	4	15.66	2095770	20.0
Phenanthrene, 3,6...	17.24	4.0	ng	413834	4	15.66	2095770	20.0
9,15-Octadecadien...	17.31	59.9	ng	6277710	4	15.66	2095770	20.0
9-Octadecenoic ac...	17.35	70.1	ng	7344710	4	15.66	2095770	20.0
Methyl stearate	17.46	6.4	ng	668952	4	15.66	2095770	20.0
11H-Benzo[b]fluorene	18.16	3.2	ng	791851	5	19.30	4925790	20.0
Pyrene, 1-methyl-	18.30	4.8	ng	1191180	5	19.30	4925790	20.0
n-Nonadecanol-1	19.16	3.4	ng	838639	5	19.30	4925790	20.0
Benzo[e]pyrene	20.95	15.2	ng	1143430	6	21.09	1500770	20.0