LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

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-BP082420.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	5.258	396	403	424	rBV	1668770	2531479	19.26%	1.405%
2	6.834	662	671	686	rBV	1547275	2663257	20.26%	1.478%
3	7.646	802	809	819	rBV	686731	1035990	7.88%	0.575%
4	8.181	894	900	909	rBV	70501	152585	1.16%	0.085%
5	8.793	990	1004	1016	rBV	1077930	1919518	14.61%	1.066%
6	10.422	1273	1281	1299	rBV	862431	1657348	12.61%	0.920%
7	12.904	1697	1703	1714	rBV	3356330	5089043	38.72%	2.825%
8	13.134	1735	1742	1748	rBV2	93303	162442	1.24%	0.090%
9	13.452	1791	1796	1805	rBV2	125364	324132	2.47%	0.180%
10	13.610	1818	1823	1828	rBV	220848	354635	2.70%	0.197%
11	13.663	1828	1832	1838	rVB	163737	240973	1.83%	0.134%
12	13.746	1838	1846	1852	rBV	646003	996312	7.58%	0.553%
13	13.846	1859	1863	1867	rBV	114911	167612	1.28%	0.093%
14	14.010	1885	1891	1906	rBV	1088798	1825336	13.89%	1.013%
15	14.216	1921	1926	1931	rBV	129195	172280	1.31%	0.096%
16	14.287	1931	1938	1944	rVV	1323116	2097509	15.96%	1.164%
17	14.351	1944	1949	1957	rVB	190071	305944	2.33%	0.170%
18	14.510	1969	1976	1983	rBV3	65995	178357	1.36%	0.099%
19	14.693	1999	2007	2016	rBV2	304777	562176	4.28%	0.312%
20	14.775	2016	2021	2026	rVB	181073	235365	1.79%	0.131%
21	14.910	2038	2044	2050	rBV4	170986	372482	2.83%	0.207%
22	14.969	2050	2054	2058	rVB	114790	156726	1.19%	0.087%
23	15.093	2067	2075	2077	rBV2	94762	216047	1.64%	0.120%
24	15.169	2083	2088	2094	rVB2	282977	395402	3.01%	0.219%
25	15.340	2112	2117	2130	rVB	816660	1356668	10.32%	0.753%
26	15.557	2149	2154	2163	rVB5	100205	298546	2.27%	0.166%
27	15.640	2163	2168	2172	rBV	250278	391681	2.98%	0.217%
28	15.787	2185	2193	2202	rVB	2646992	4000020	30.44%	2.220%
29	16.034	2228	2235	2238	rBV4	250536	442101	3.36%	0.245%
30	16.351	2282	2289	2294	rBV2	319108	654851	4.98%	0.364%
31	16.404	2294	2298	2303	rVB2	186317	265185	2.02%	0.147%
32	16.504	2310	2315	2320	rVB2	185471	290742	2.21%	0.161%
33	16.587	2325	2329	2332	rVV3	148881	200976	1.53%	0.112%
34	16.628	2332	2336	2339	rVB2	172787	240787	1.83%	0.134%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

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-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.704	2345	2349	2357	rVB4	143621	275986	2.10%	0.153%
36	16.781	2358	2362	2367	rVV	209065	366904	2.79%	0.204%
37	16.834	2367	2371	2373	rVV	191327	284471	2.16%	0.158%
38	16.863	2373	2376	2386	rVB	335374	628771	4.78%	0.349%
39	17.045	2401	2407	2410	rBV	1527468	2330304	17.73%	1.294%
40	17.087	2410	2414	2422	rVV	5321098	7567729	57.58%	4.201%
41	17.175	2424	2429	2435	rVV	2196516	3109025	23.66%	1.726%
42	17.240	2435	2440	2447	rVV3	205079	386964	2.94%	0.215%
43	17.569	2492	2496	2500	rVV	341439	443000	3.37%	0.246%
44	17.628	2502	2506	2516	rVB2	271385	464460	3.53%	0.258%
45	17.740	2521	2525	2529	rBV	713112	915458	6.97%	0.508%
46	17.922	2551	2556	2559	rBV	1087706	1544290	11.75%	0.857%
47	17.969	2559	2564	2571	rVB	1629804	2256416	17.17%	1.253%
48	18.045	2572	2577	2582	rBV	833439	1095284	8.33%	0.608%
49	18.110	2582	2588	2591	rVV2	1998880	3491759	26.57%	1.938%
50	18.140	2591	2593	2602	rVB	835543	1109605	8.44%	0.616%
51	18.251	2609	2612	2617	rVB2	160823	210375	1.60%	0.117%
52	18.304	2618	2621	2625	rVB3	125728	159910	1.22%	0.089%
53	18.404	2634	2638	2642	rBV	672972	815071	6.20%	0.452%
54	18.445	2642	2645	2650	rVB2	209918	309574	2.36%	0.172%
55	18.645	2676	2679	2683	rVB	230638	259794	1.98%	0.144%
56	18.692	2684	2687	2691	rBV	308010	364093	2.77%	0.202%
57	18.734	2691	2694	2698	rVB	298105	370434	2.82%	0.206%
58	18.816	2702	2708	2710	rBV	831395	1339511	10.19%	0.744%
59	18.845	2710	2713	2716	rVV	1929798	2256055	17.17%	1.252%
60	18.881	2716	2719	2722	rVB2	1914436	2190870	16.67%	1.216%
61	18.945	2727	2730	2738	rVV2	494305	933481	7.10%	0.518%
62	19.010	2738	2741	2744	rVB	415439	443214	3.37%	0.246%
63	19.075	2745	2752	2757	rBV	7655947	11731466	89.26%	6.512%
64	19.134	2758	2762	2764	rBV	261444	327567	2.49%	0.182%
65	19.163	2764	2767	2771	rVB2	259117	330304	2.51%	0.183%
66	19.210	2771	2775	2780	rBV	671195	878298	6.68%	0.488%
67	19.304	2787	2791	2793	rBV	264256	342240	2.60%	0.190%
68	19.422	2801	2811	2819	rBV2	7249369	13142656	100.00%	7.296%
69	19.492	2819	2823	2830	rVB2	501762	859118	6.54%	0.477%
70	19.622	2836	2845	2849	rBV2	5278108	7350607	55.93%	4.080%
71	19.734	2859	2864	2866	rBV3	850985	1374700	10.46%	0.763%

LSC Area Percent Report

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Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

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-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.869	2883	2887	2889	rBV3	630756	953186	7.25%	0.529%
73	19.904	2889	2893	2897	rVB	2252258	2997588	22.81%	1.664%
74	20.004	2905	2910	2913	rBV	1803608	2297039	17.48%	1.275%
75	20.057	2914	2919	2924	rVB2	1215199	1800383	13.70%	0.999%
76	20.139	2930	2933	2938	rBV2	205935	400089	3.04%	0.222%
77	20.192	2939	2942	2946	rVV	688929	876336	6.67%	0.486%
78	20.239	2946	2950	2954	rVB	747518	1007812	7.67%	0.559%
79	20.592	3007	3010	3014	rBV	336756	611024	4.65%	0.339%
80	20.633	3014	3017	3023	rVB	610271	1021434	7.77%	0.567%
81	20.792	3041	3044	3047	rBV	588432	700843	5.33%	0.389%
82	20.833	3047	3051	3053	rVB	802747	862383	6.56%	0.479%
83	20.869	3053	3057	3062	rBV2	1261313	1649481	12.55%	0.916%
84	21.128	3096	3101	3106	rBV2	6009997	10519042	80.04%	5.839%
85	21.181	3106	3110	3119	rVB	4728856	6567413	49.97%	3.646%
86	21.292	3126	3129	3134	rBV	829901	1323784	10.07%	0.735%
87	21.339	3134	3137	3143	rVV2	529438	722807	5.50%	0.401%
88	21.445	3152	3155	3161	rVB2	572732	867274	6.60%	0.481%
89	21.686	3190	3196	3200	rBV	1277434	2046287	15.57%	1.136%
90	21.739	3202	3205	3211	rVB	810274	1090665	8.30%	0.605%
91	21.839	3219	3222	3225	rVB2	498890	545869	4.15%	0.303%
92	21.880	3226	3229	3232	rBV	581372	780221	5.94%	0.433%
93	22.710	3364	3370	3375	rBV	3665351	8771901	66.74%	4.869%
94	22.875	3394	3398	3404	rVB	1015192	1634332	12.44%	0.907%
95	23.186	3445	3451	3460	rVB	2303070	4595031	34.96%	2.551%
96	23.286	3461	3468	3474	rVV	3773856	7206403	54.83%	4.000%
97	23.375	3478	3483	3488	rVV2	1266995	2639967	20.09%	1.465%
98	23.427	3488	3492	3500	rVB2	1062022	2169500	16.51%	1.204%
99	25.651	3863	3870	3881	rVB	1892690	5378552	40.92%	2.986%
100	26.351	3982	3989	4001	rVB	1280257	3890393	29.60%	2.160%

Sum of corrected areas: 180141310

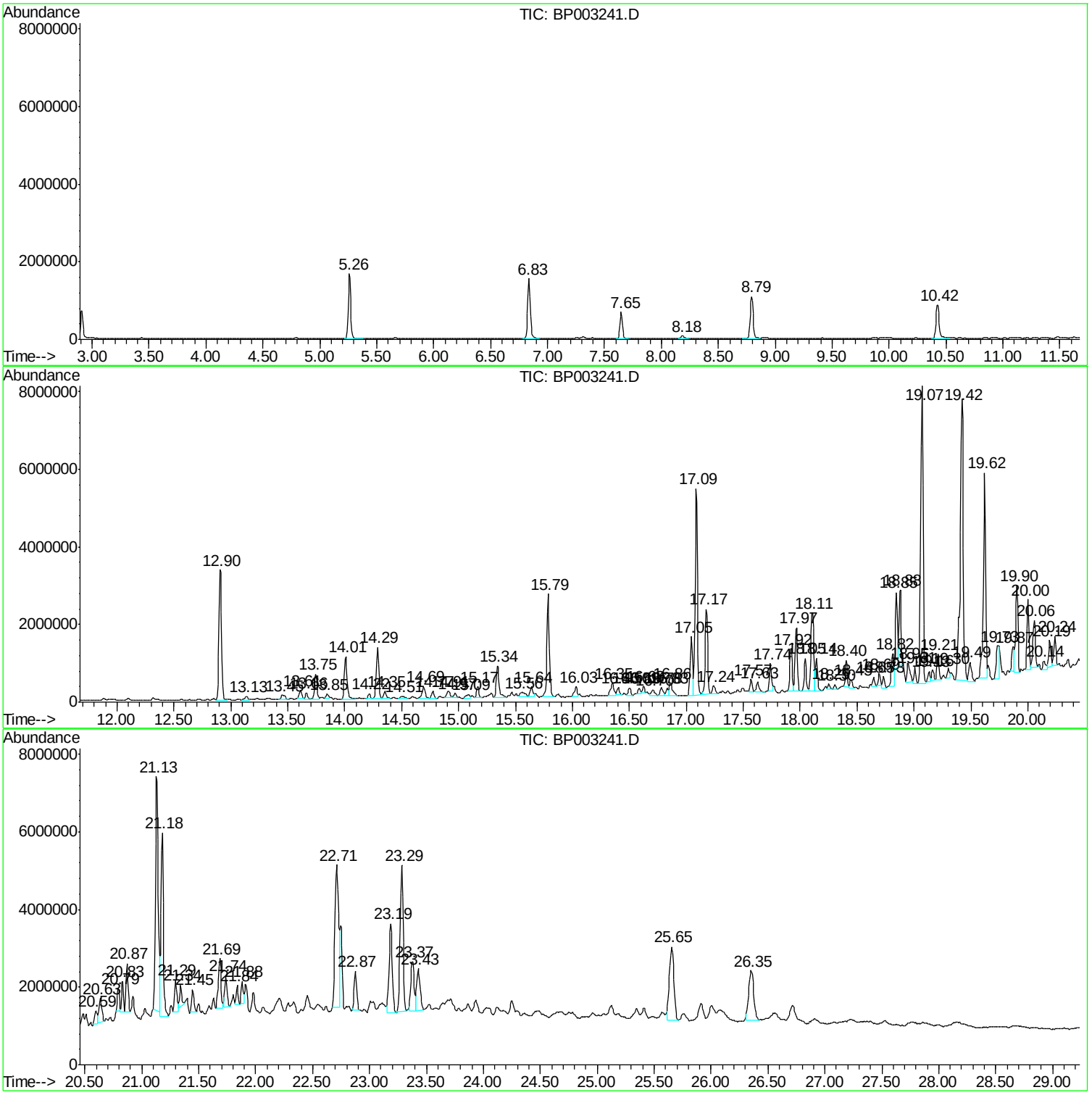
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
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Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

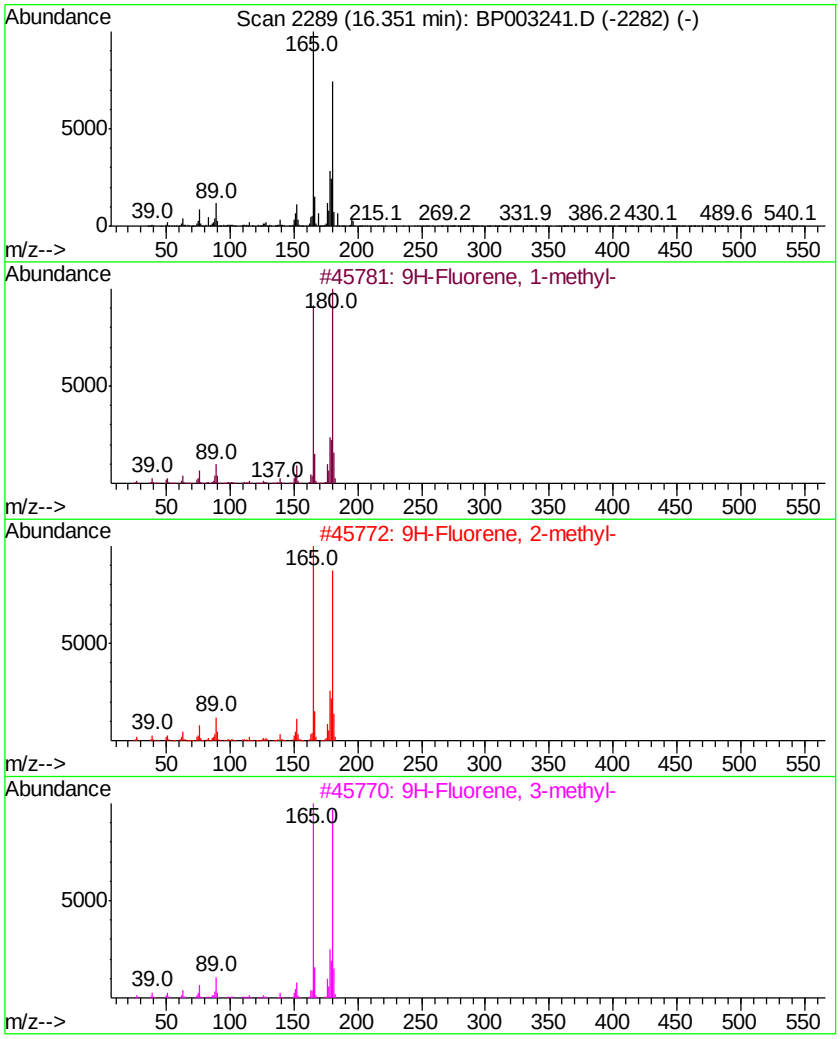
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

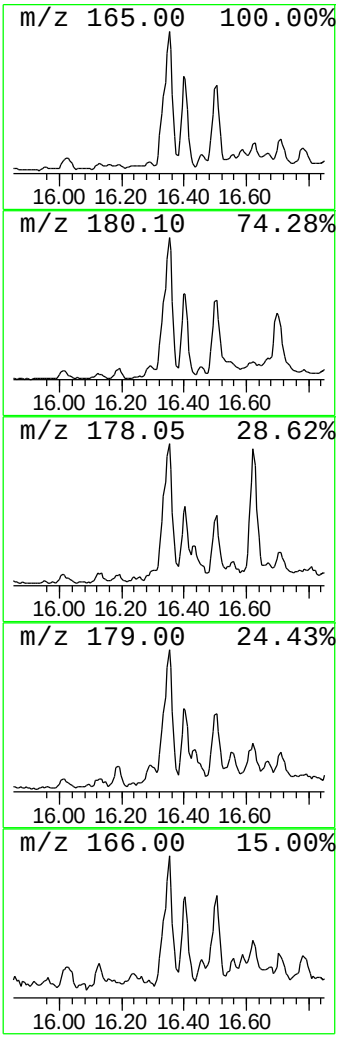
****

Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	5.62 ng	654851	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

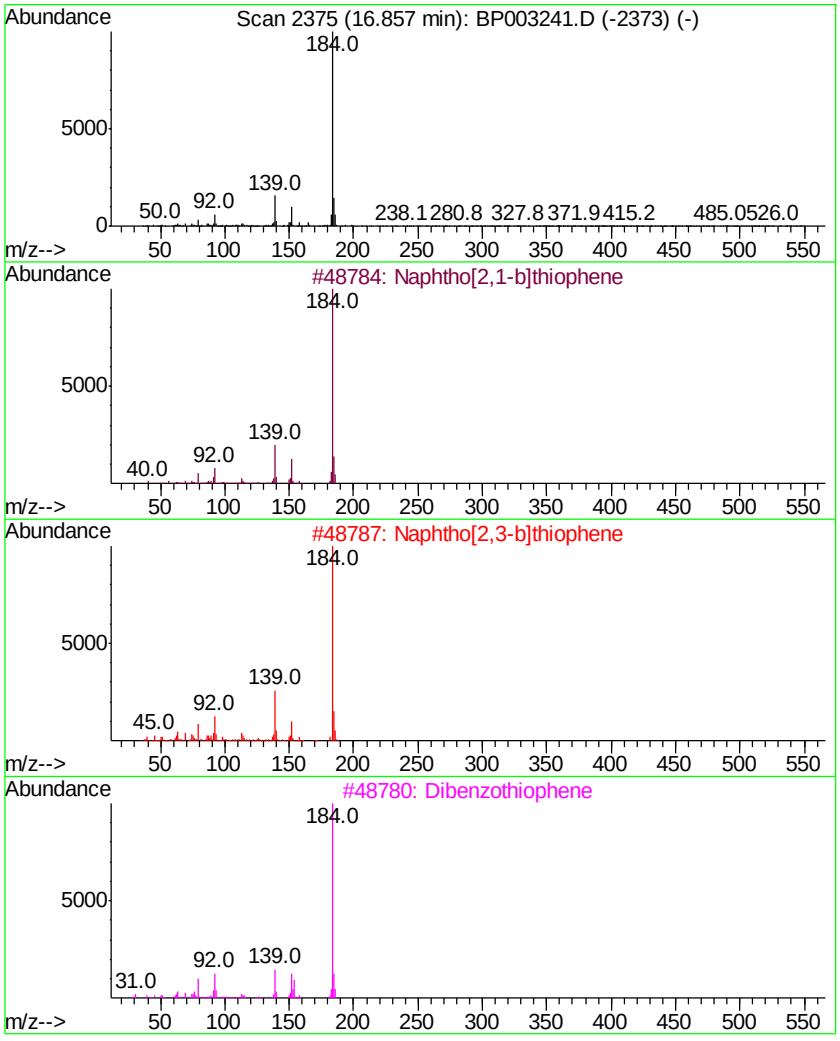
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

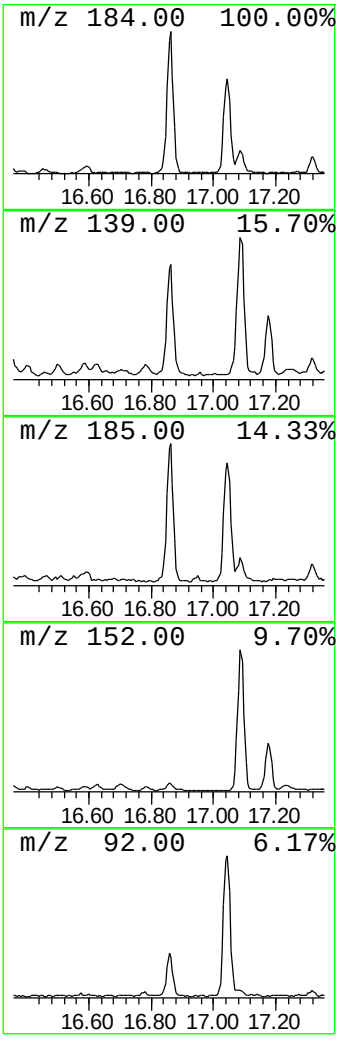
****

Peak Number 2 Naphtho[2,1-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	5.40 ng	628771	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

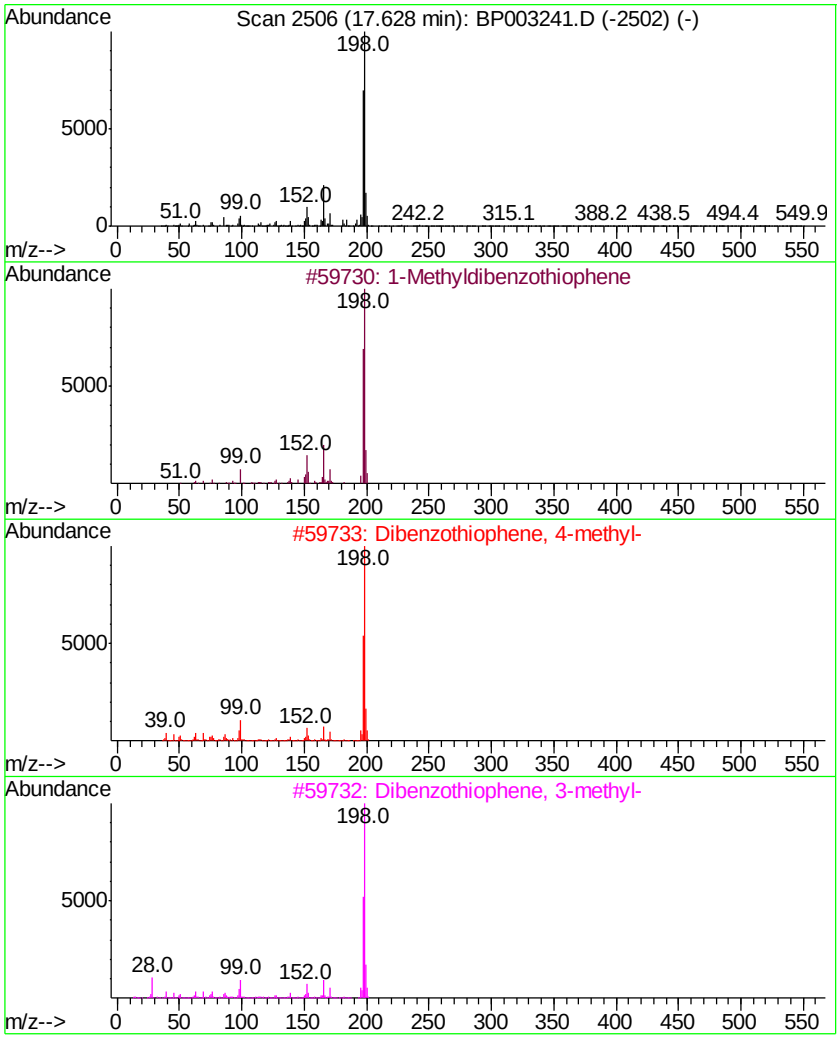
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

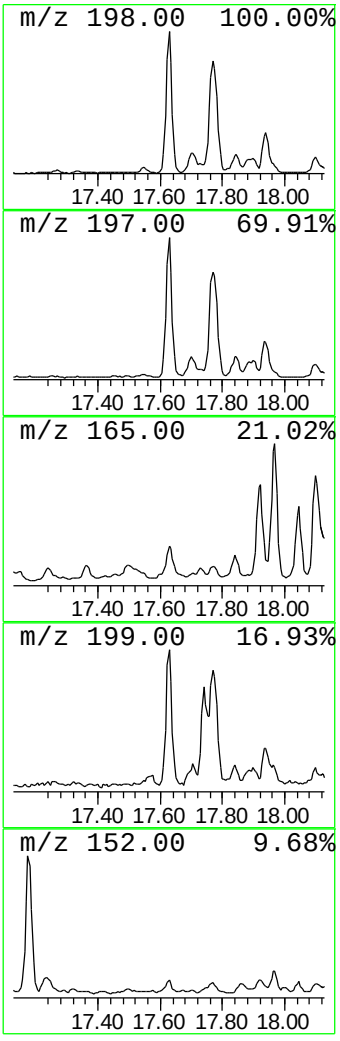
****

Peak Number 3 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	3.99 ng	464460	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	96
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
4	Tacrine	198	C13H14N2	000321-64-2	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

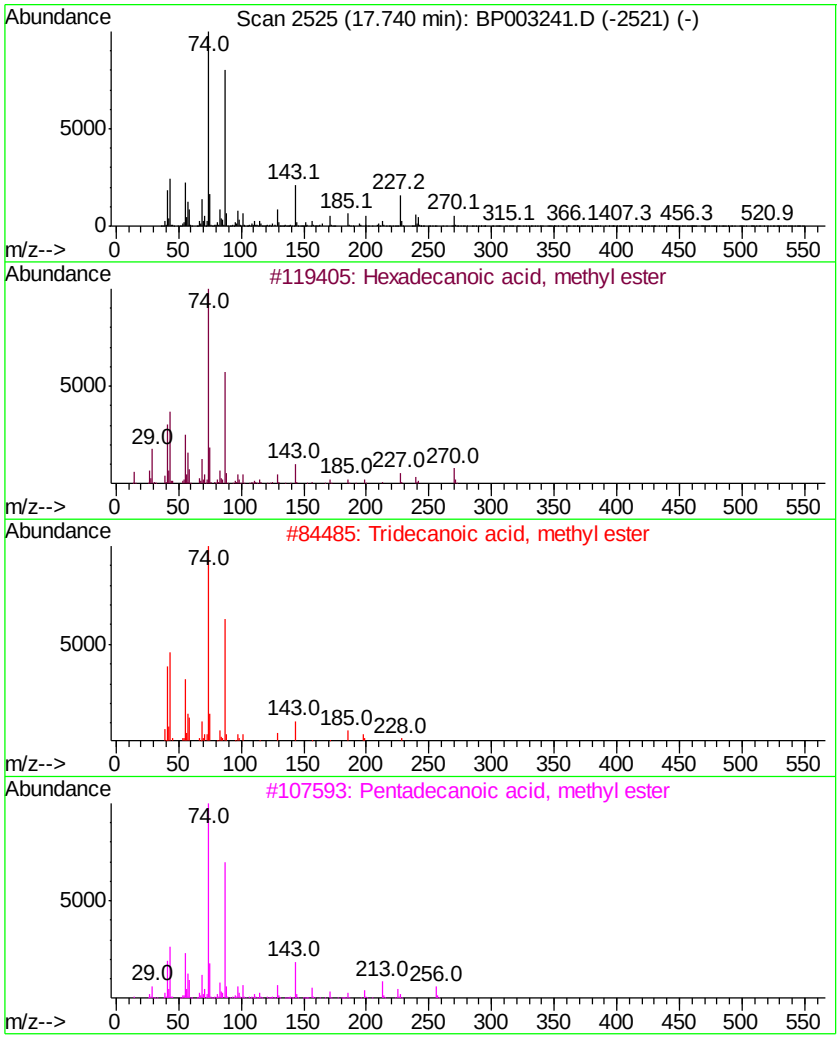
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

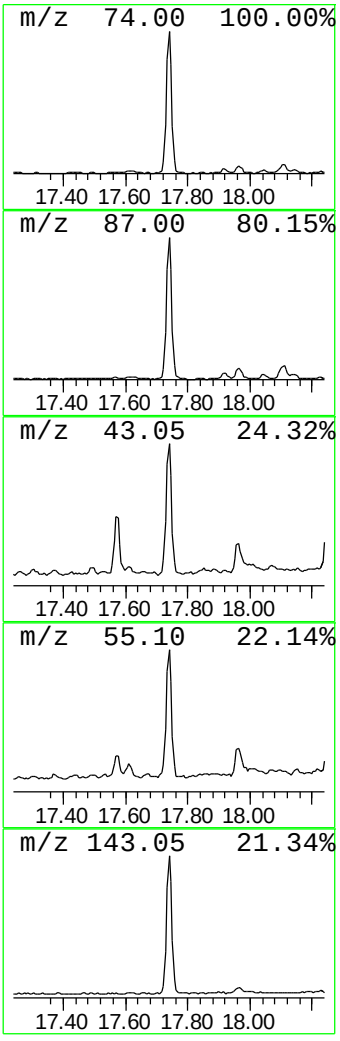
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	7.86 ng	915458	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72
5	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	70





Library Search Compound Report

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Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

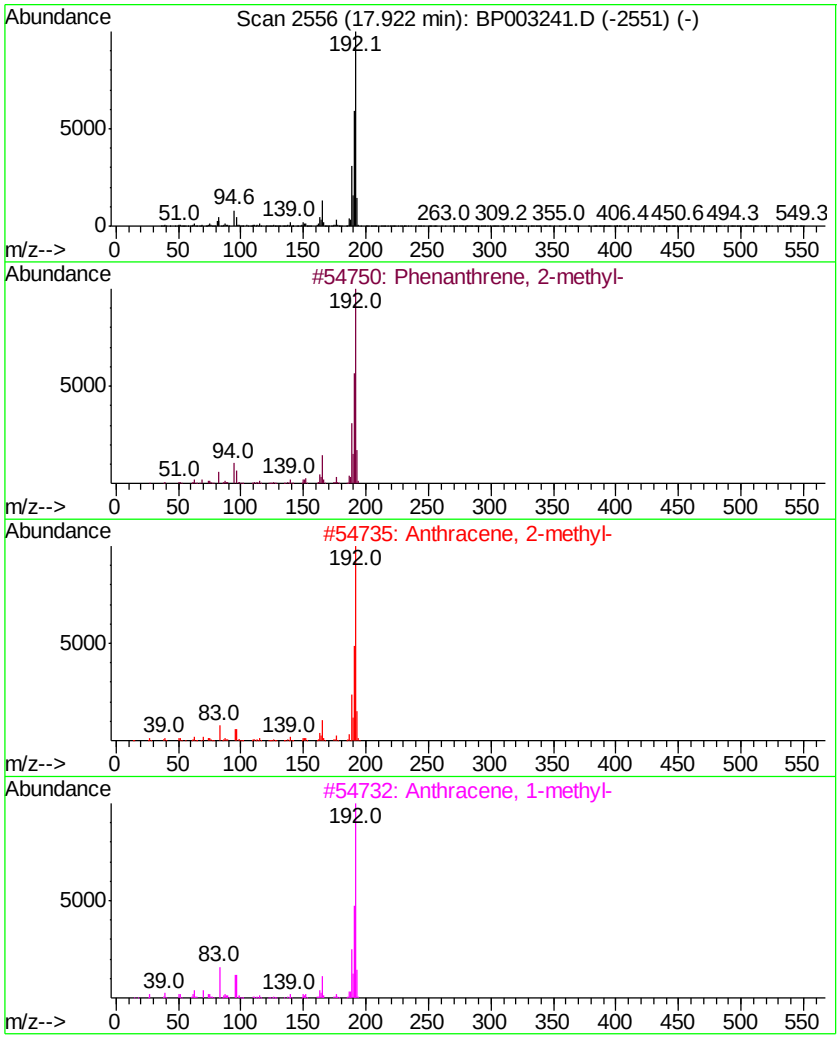
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

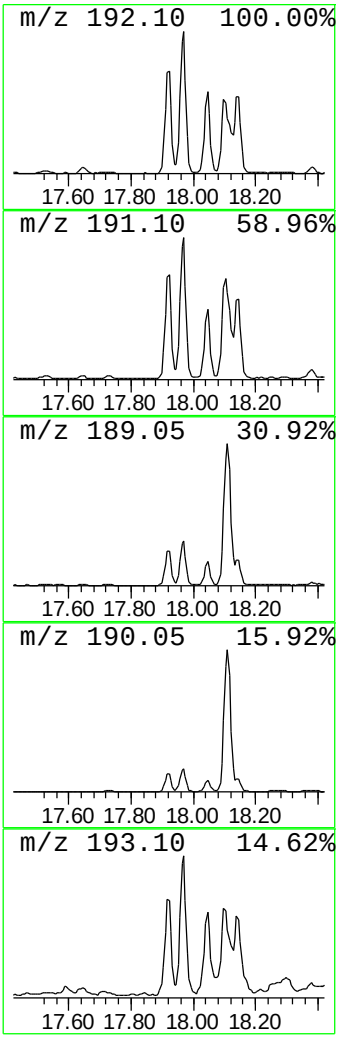
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	13.25 ng	1544290	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

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Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

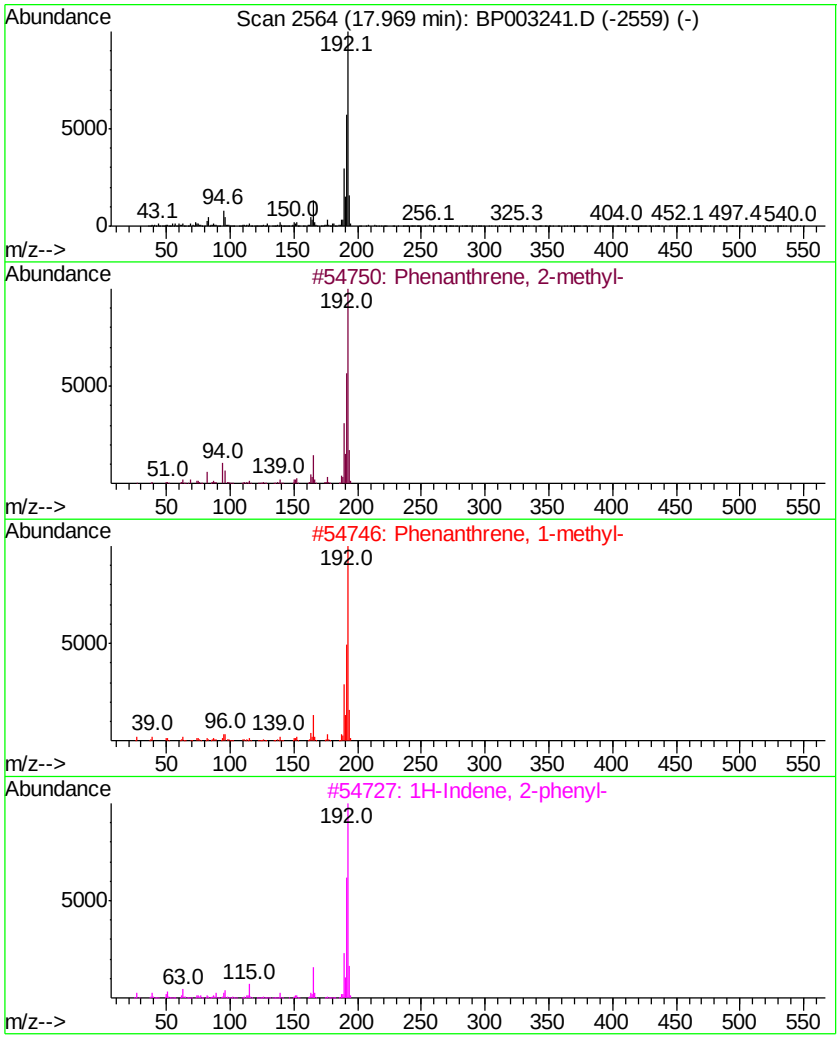
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

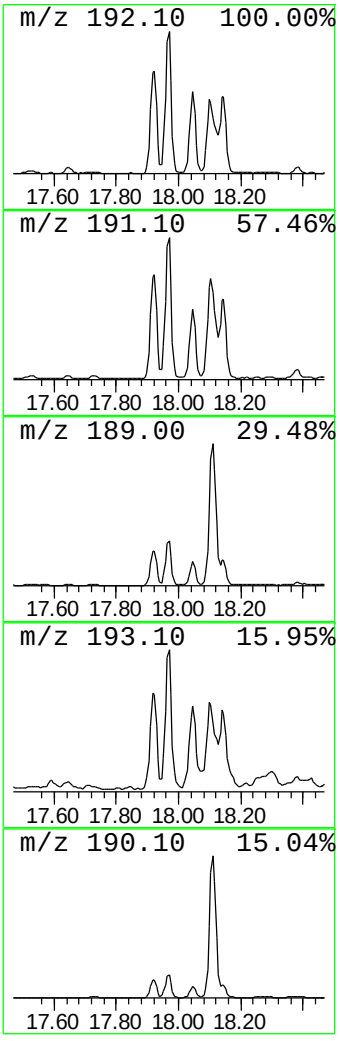
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	19.37 ng	2256420	Phenanthrene-d10	17.05

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

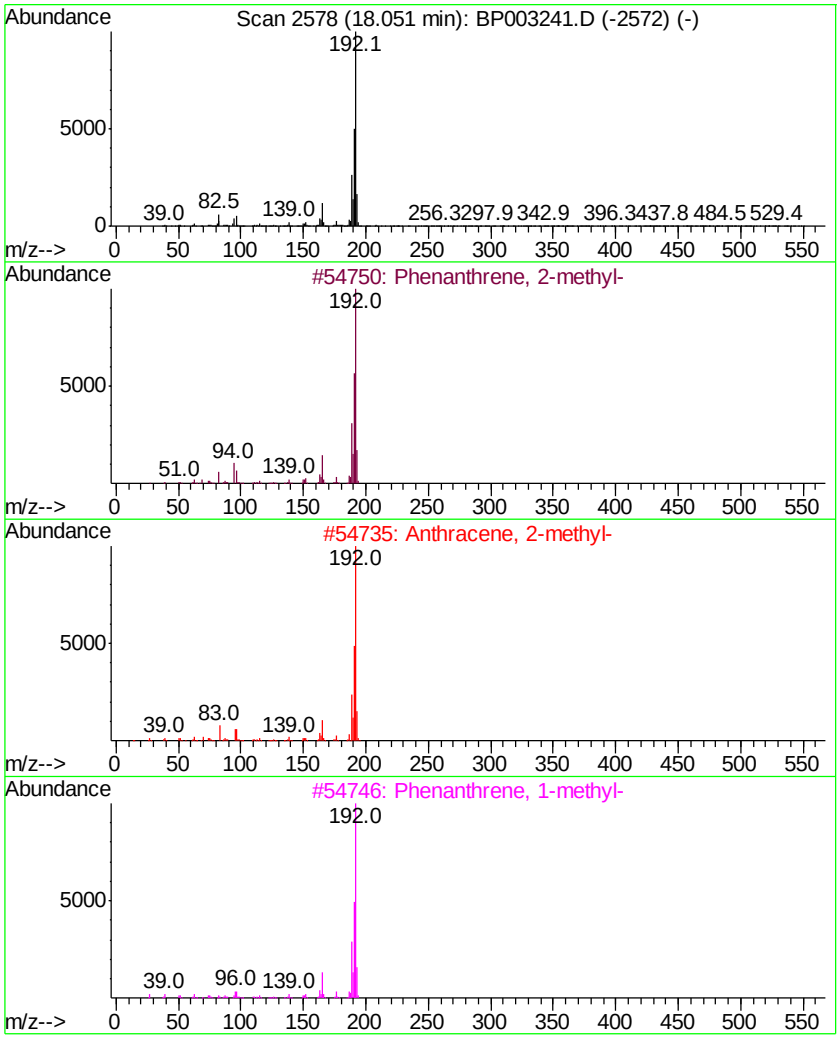
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

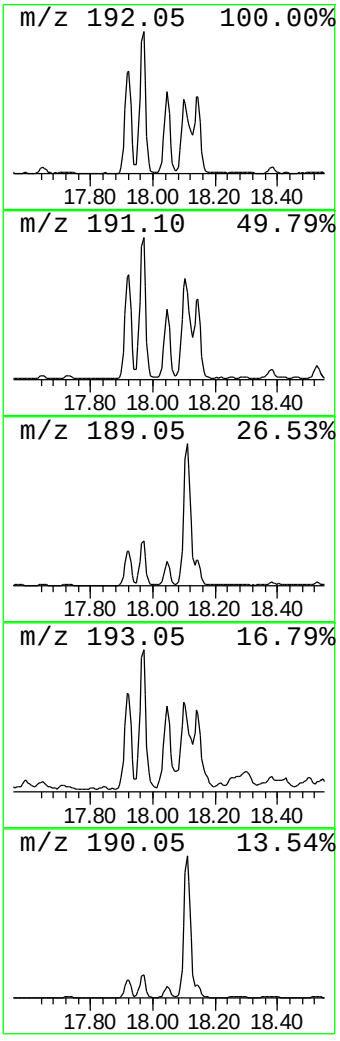
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	9.40 ng	1095280	Phenanthrene-d10	17.05

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Library Search Compound Report

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Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

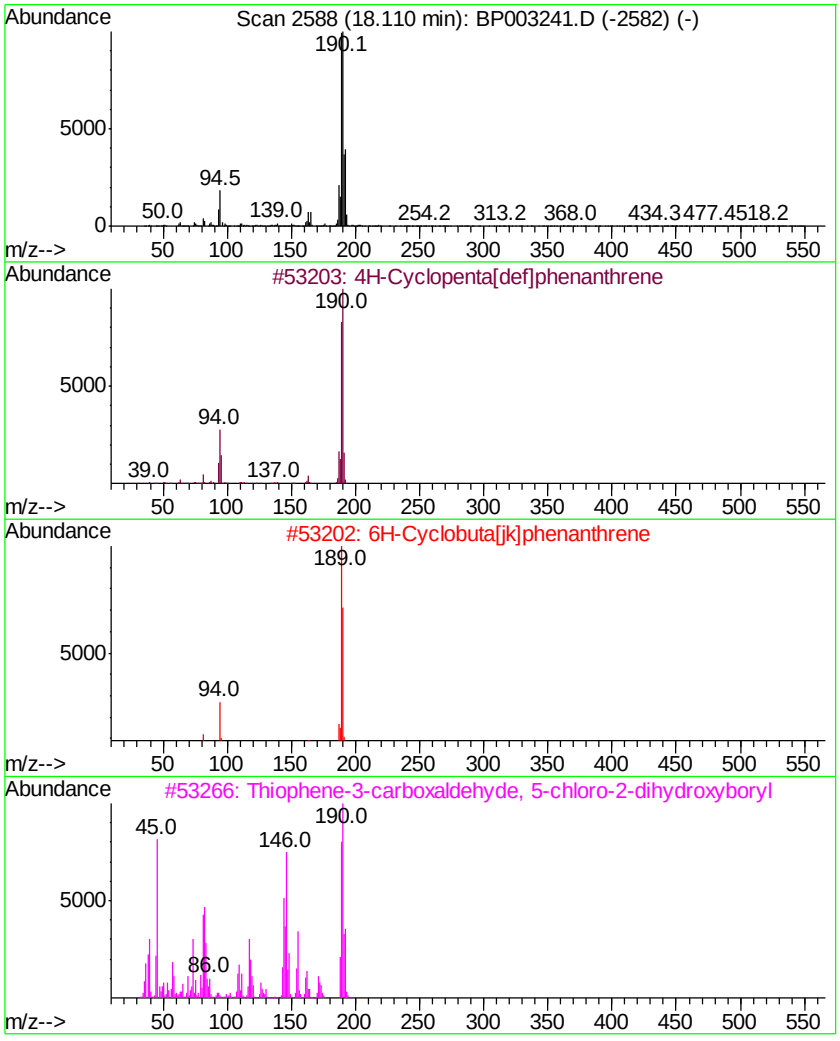
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

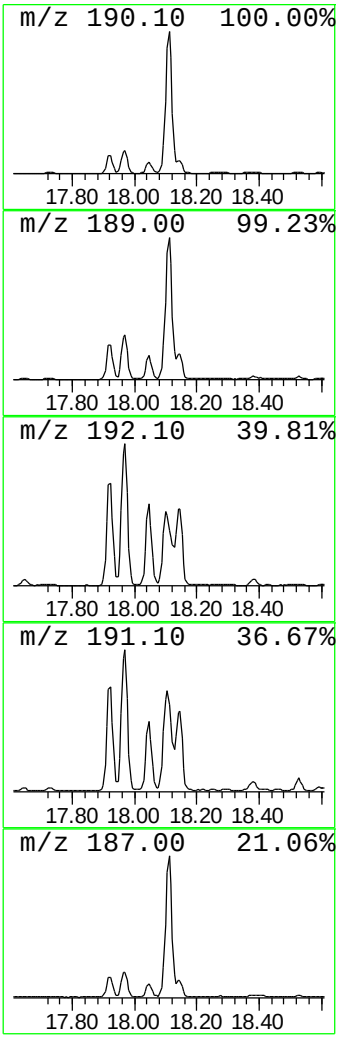
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	29.97 ng	3491760	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





Library Search Compound Report

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Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

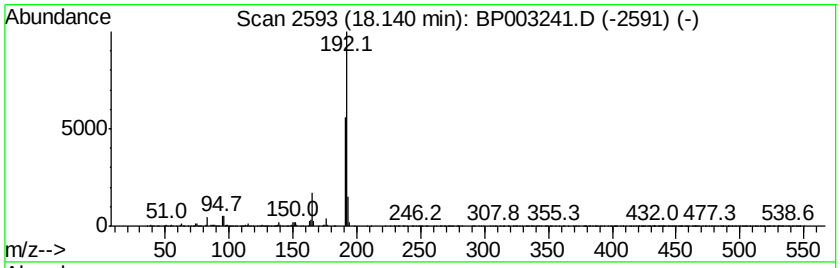
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

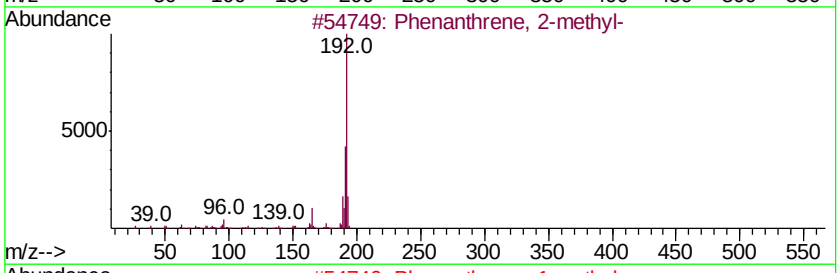
****

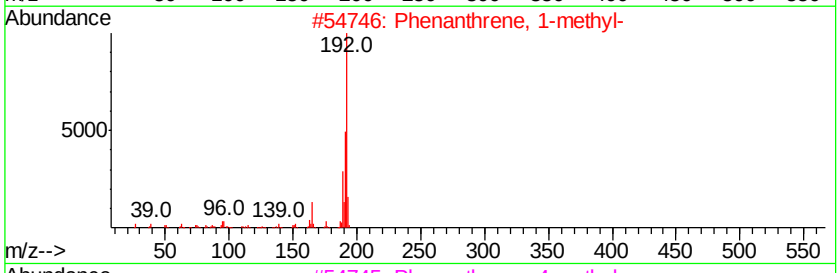
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 10

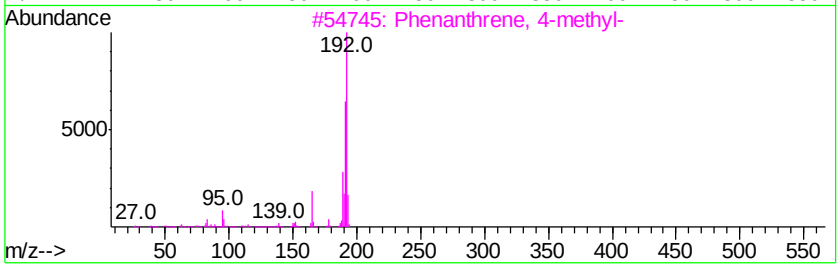
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	9.52 ng	1109610	Phenanthrene-d10	17.05

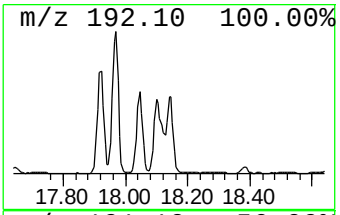
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93

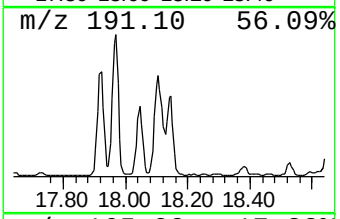


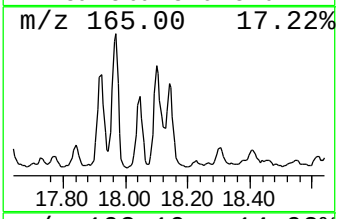


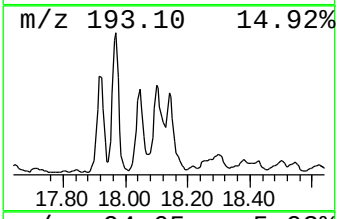


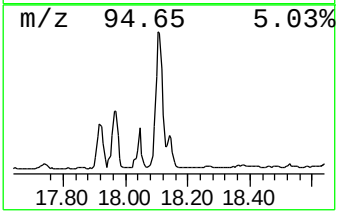












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Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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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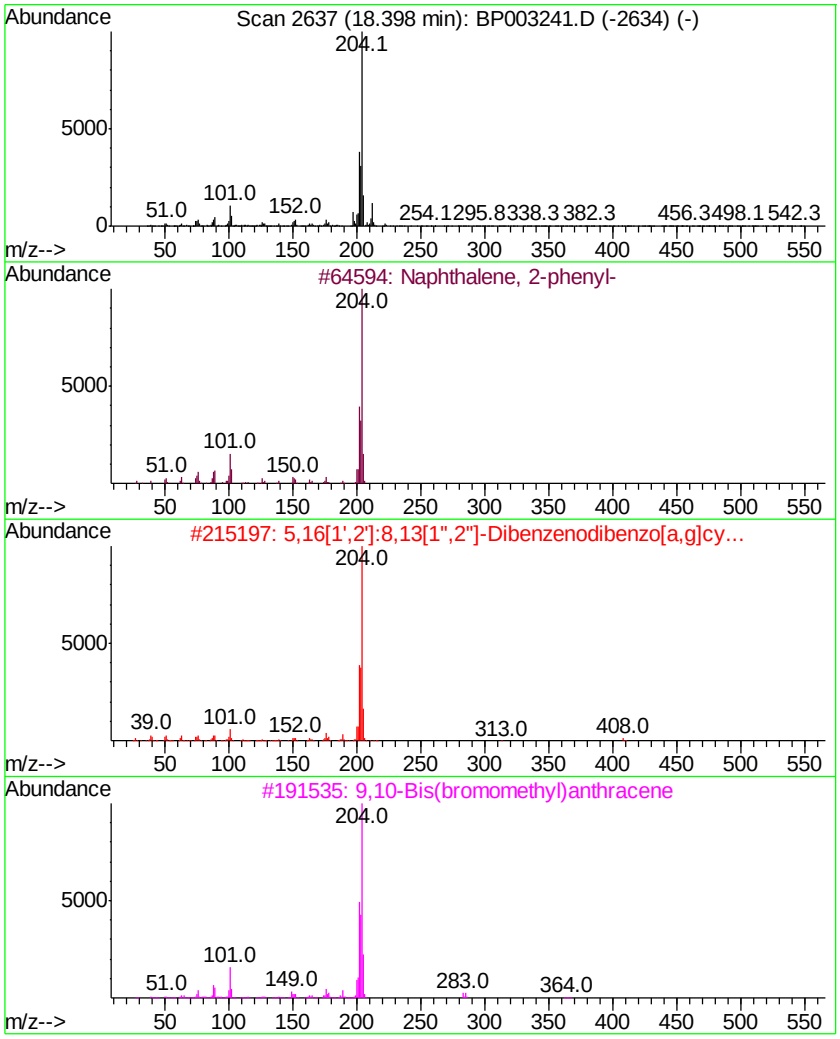
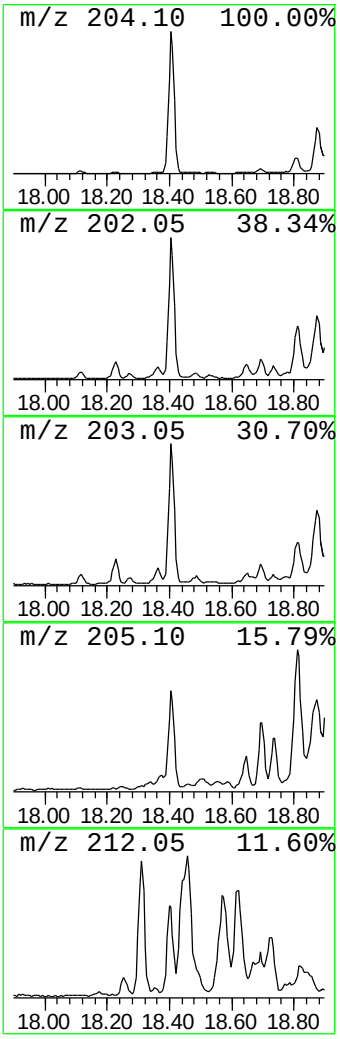
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	7.00 ng	815071	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
4	Levamisole	204	C11H12N2S	014769-73-4	49
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46





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Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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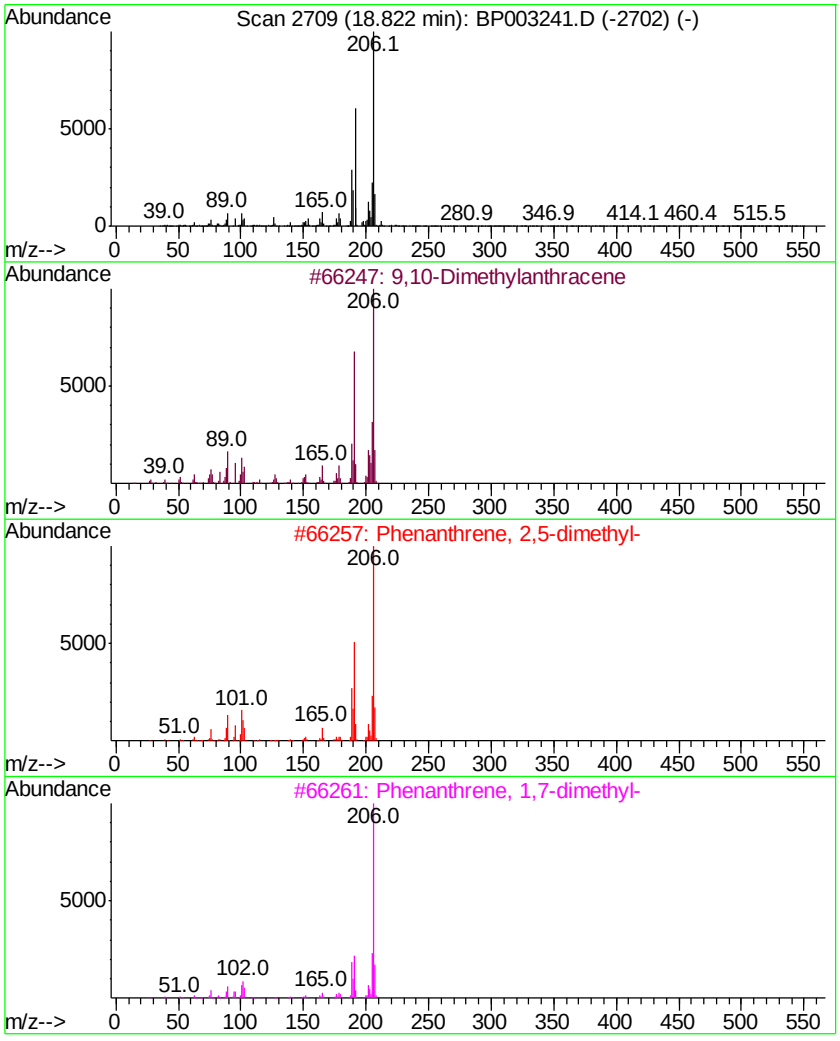
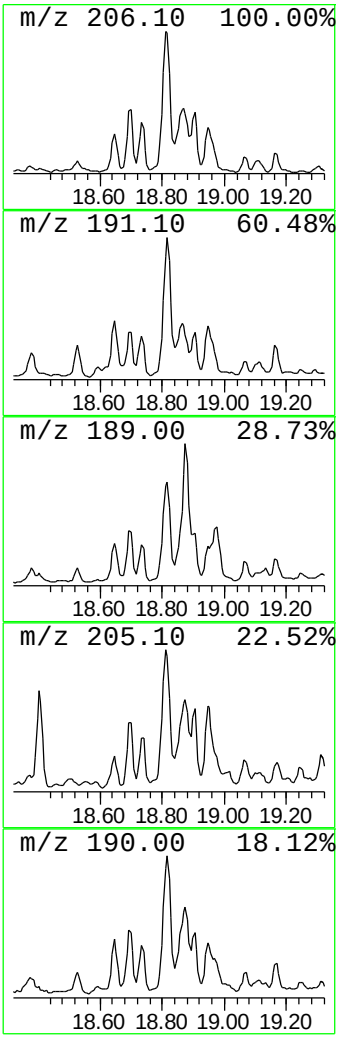
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	11.50 ng	1339510	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





Library Search Compound Report

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Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

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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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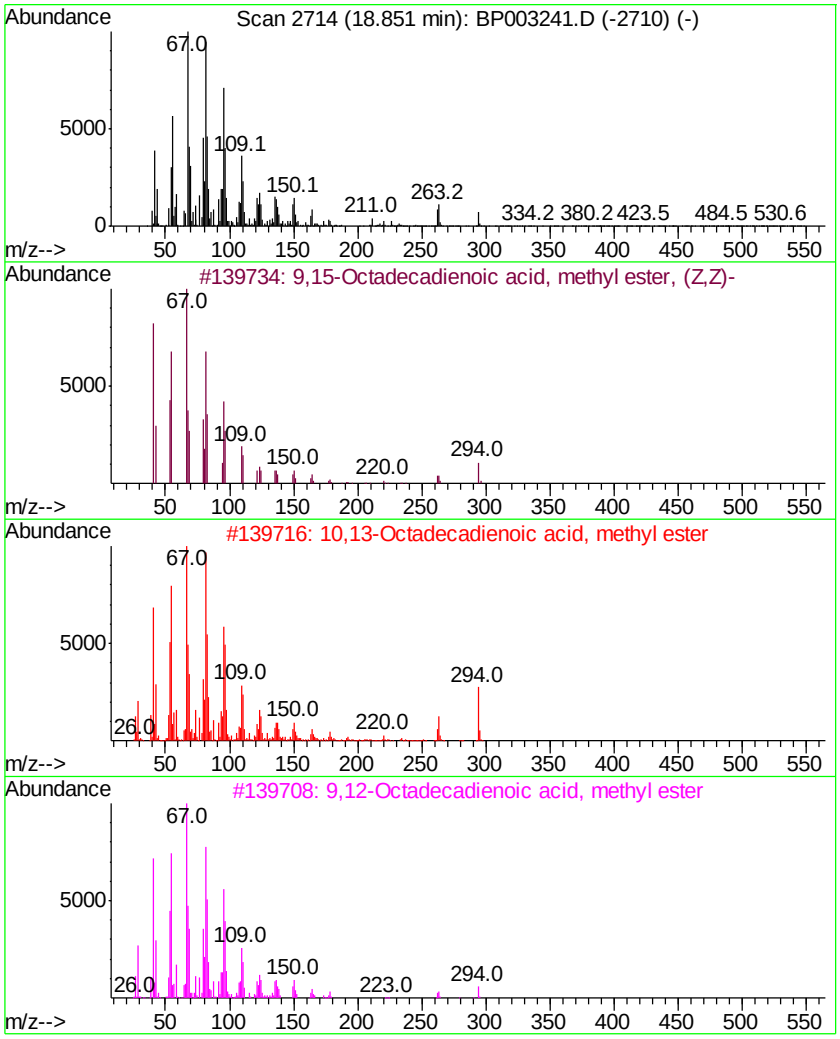
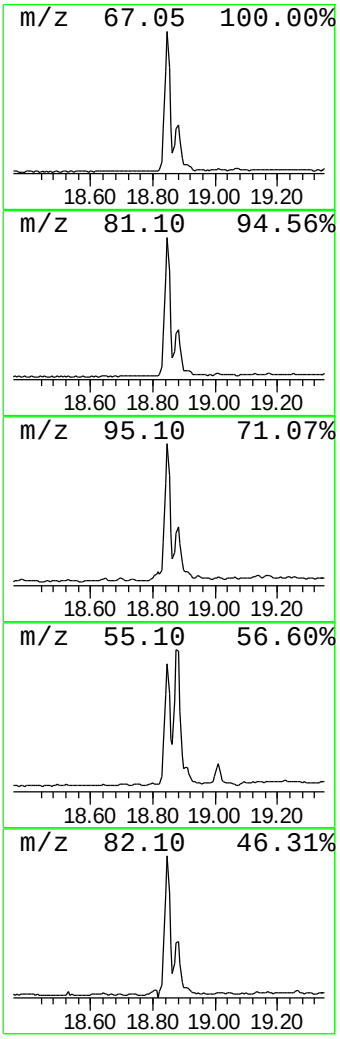
Peak Number 12 9,15-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	19.36 ng	2256060	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98





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Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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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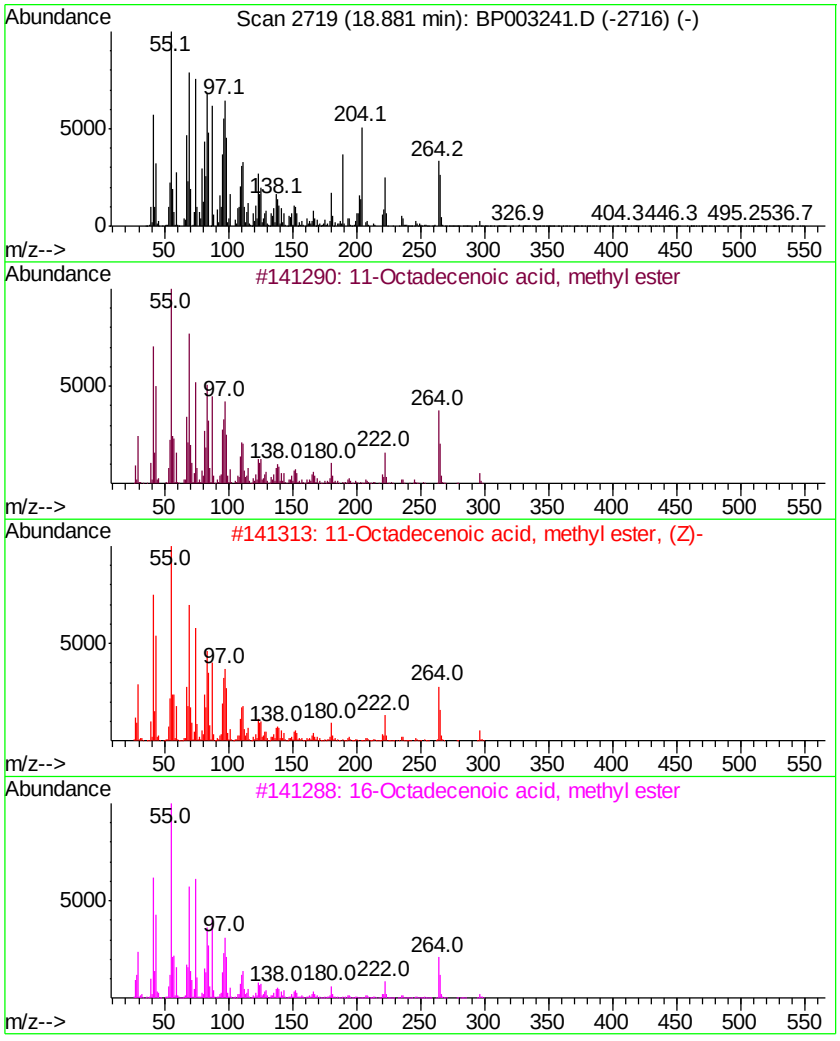
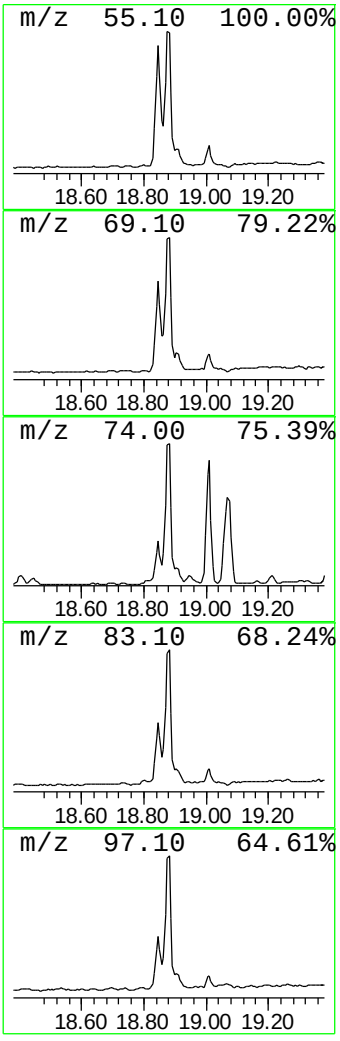
Peak Number 13 11-Octadecenoic acid, methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	18.80 ng	2190870	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99





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Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId : SU-04-090820

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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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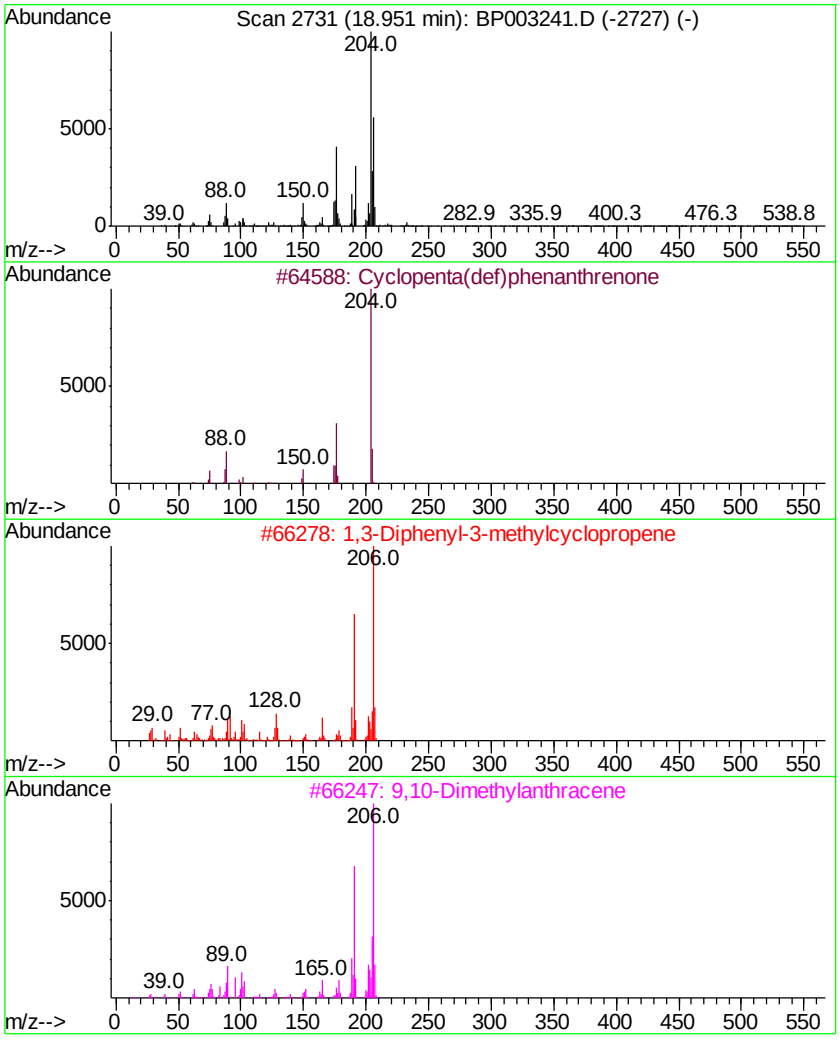
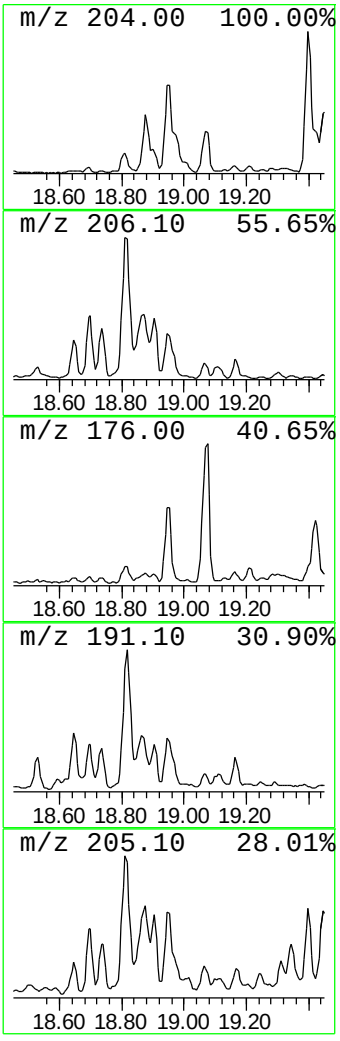
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	8.01 ng	933481	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	47
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
4	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	43
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38





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Misc :
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Instrument : BNA_P
ClientSampleId : SU-04-090820

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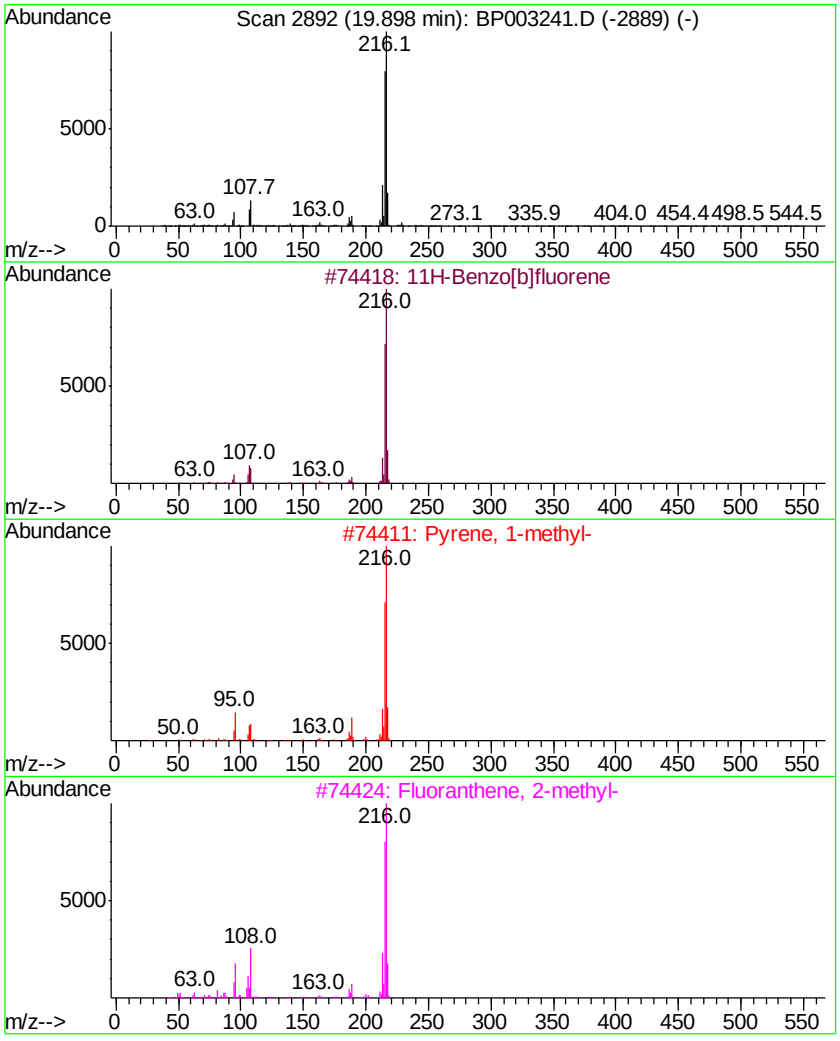
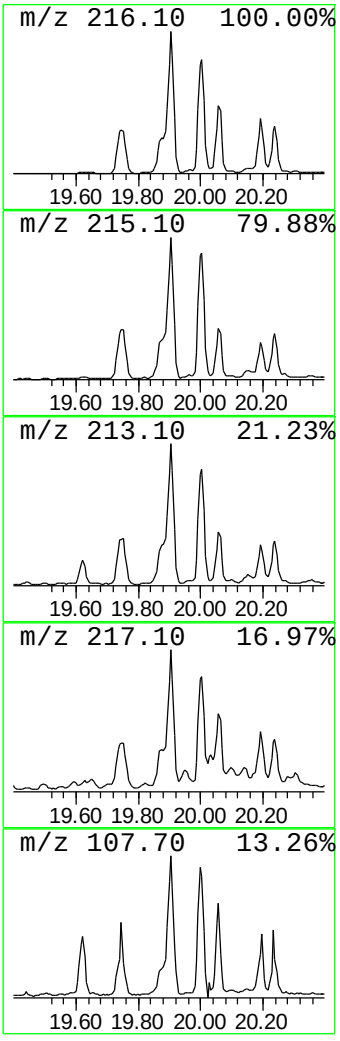
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	5.70 ng	2997590	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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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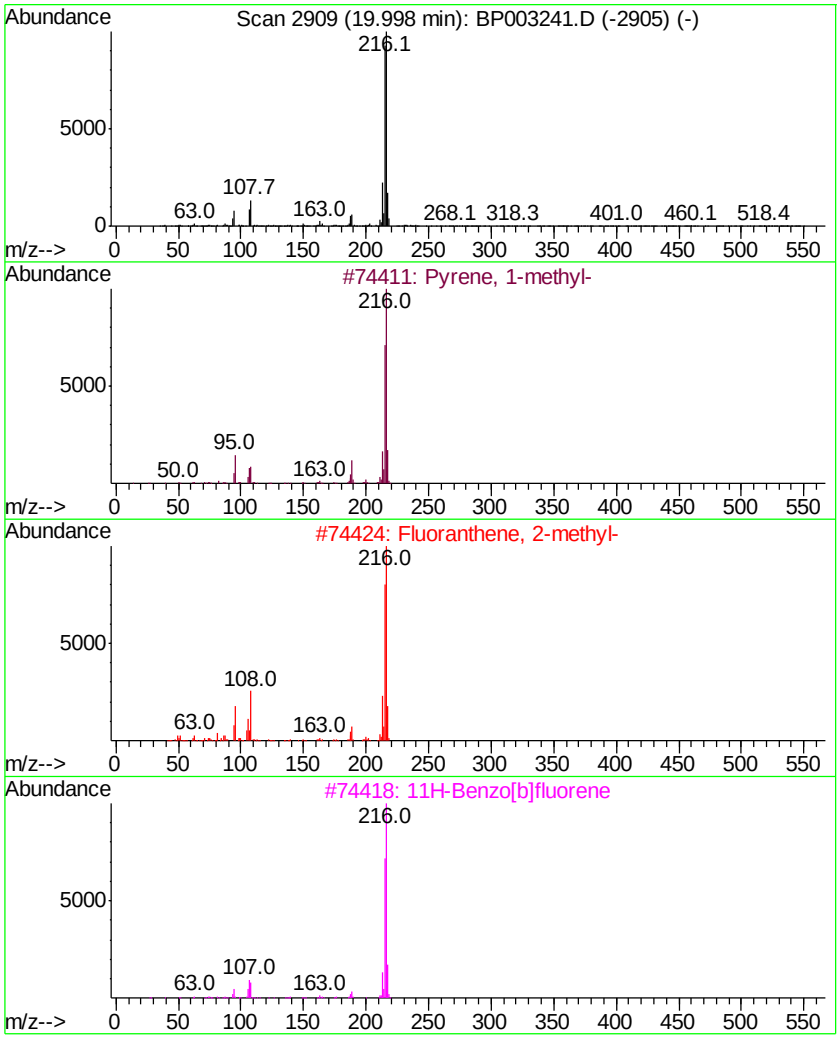
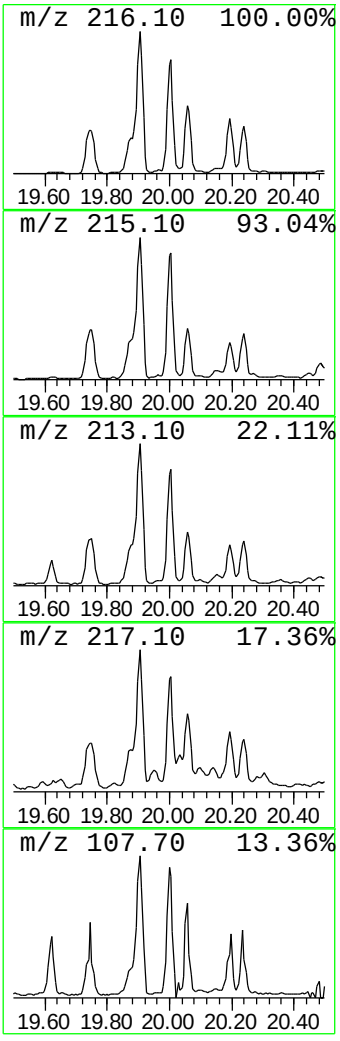
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	4.37 ng	2297040	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	029573-11-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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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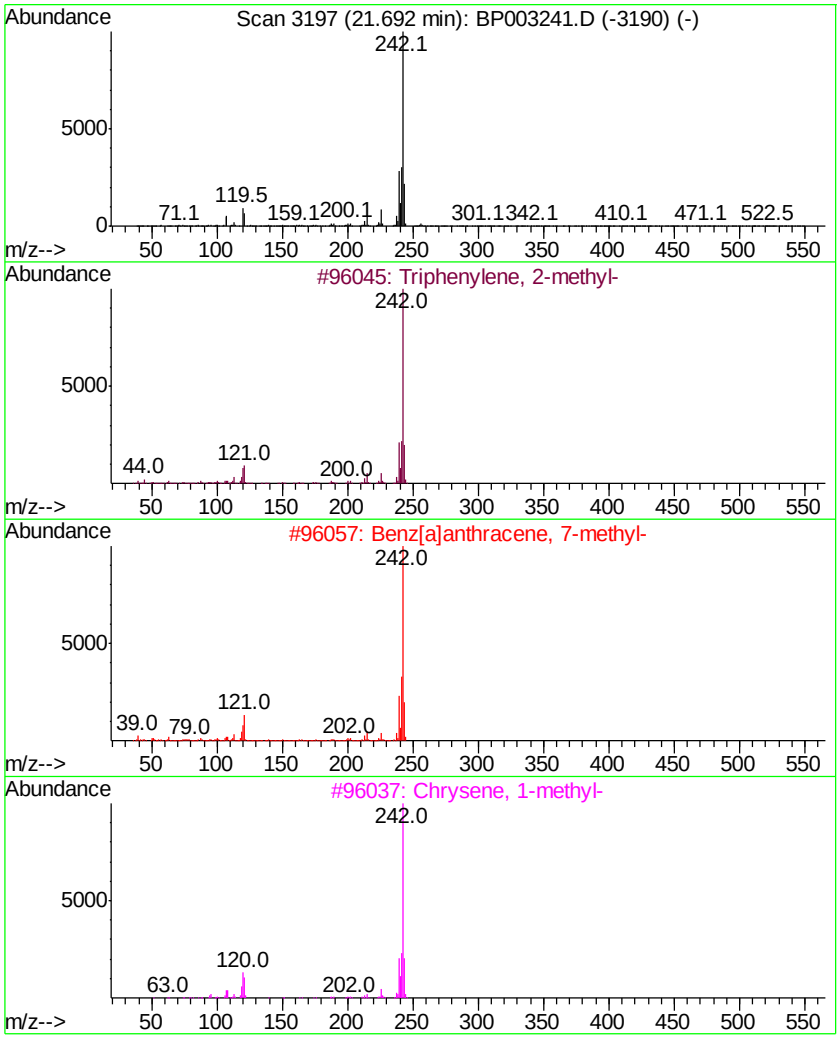
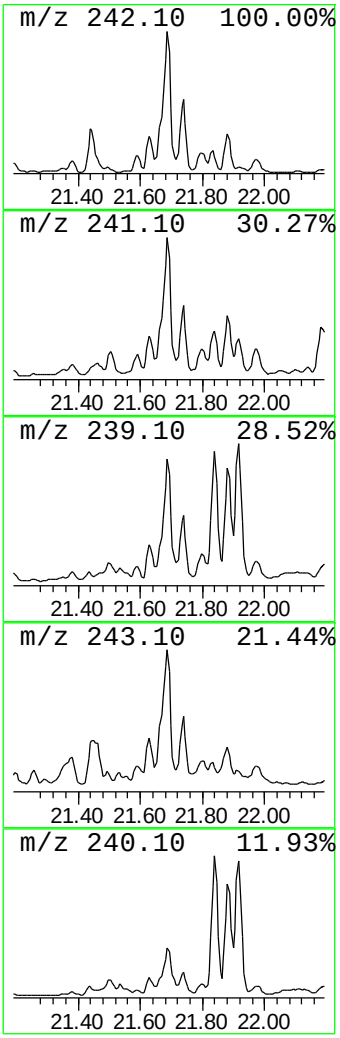
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	3.89 ng	2046290	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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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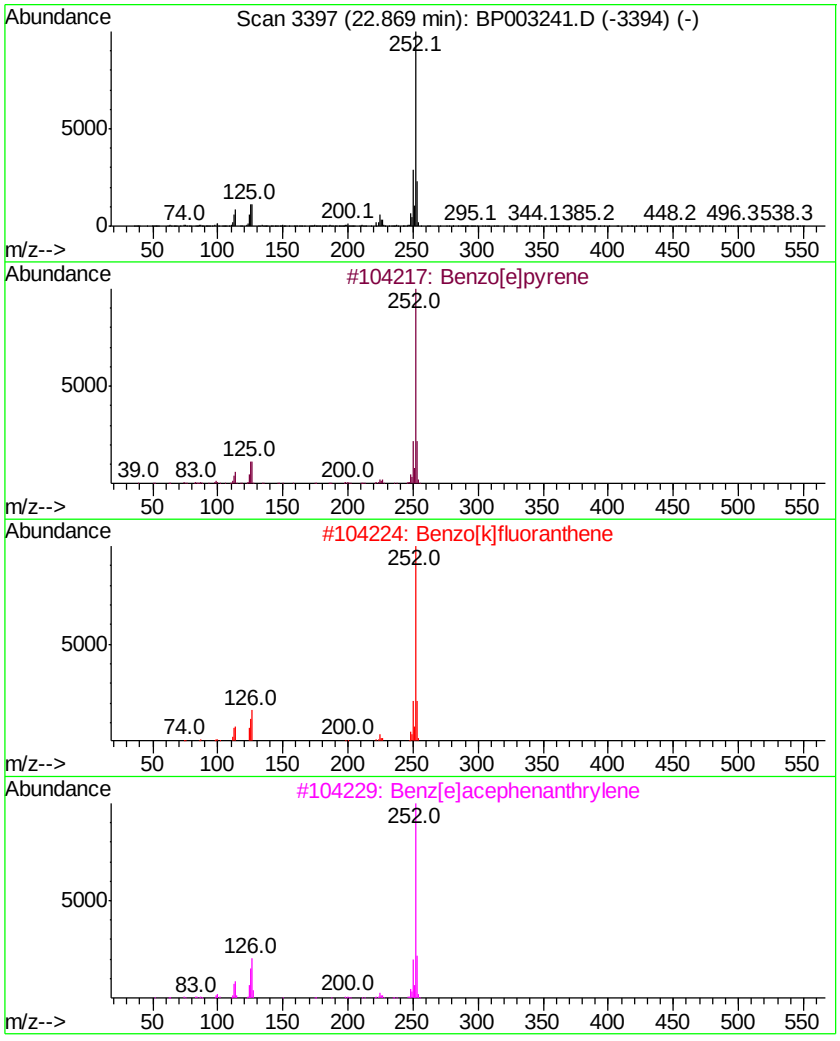
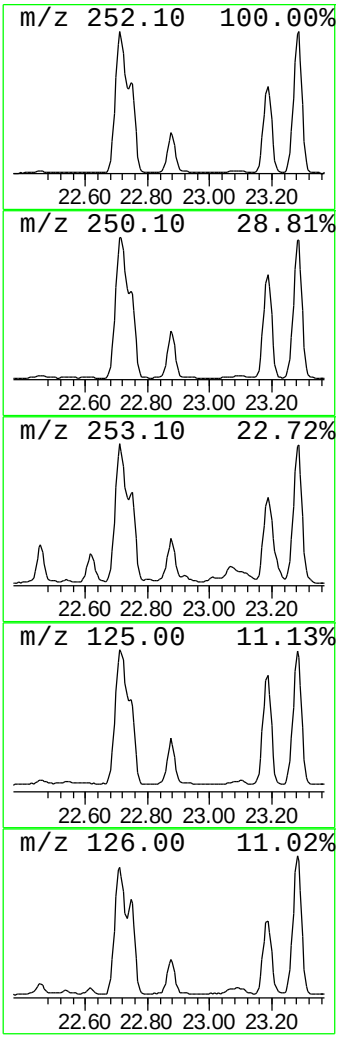
Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.87	12.38 ng	1634330	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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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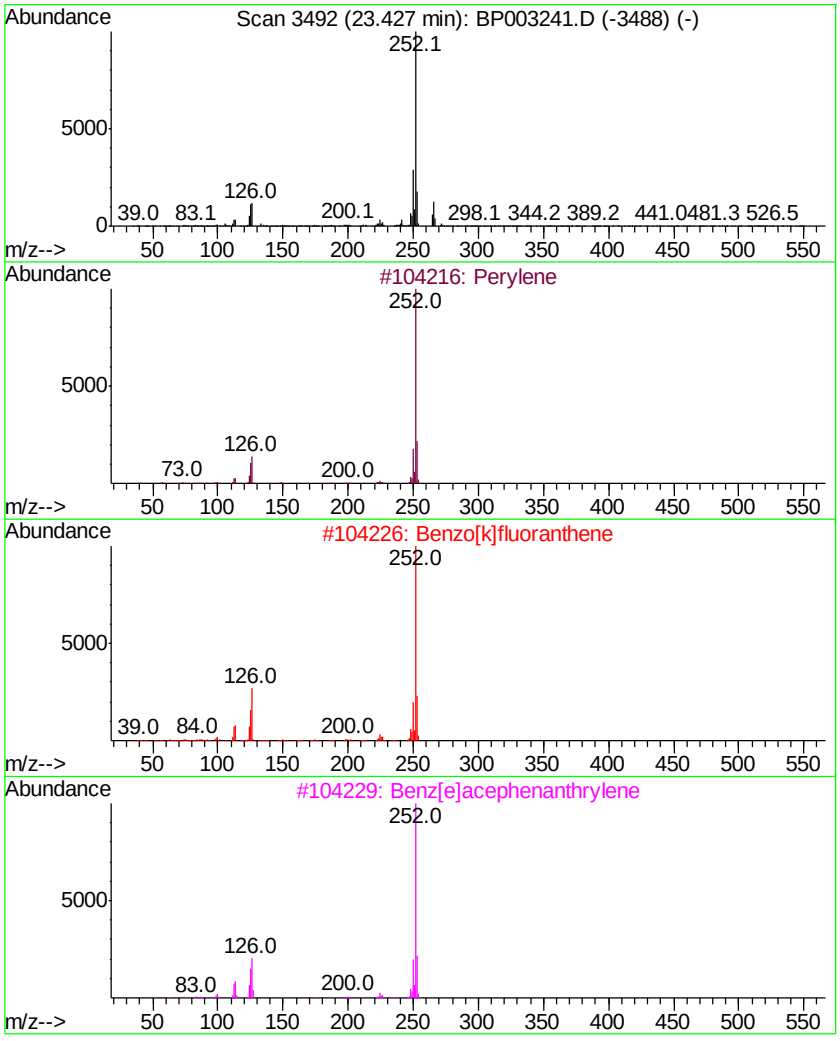
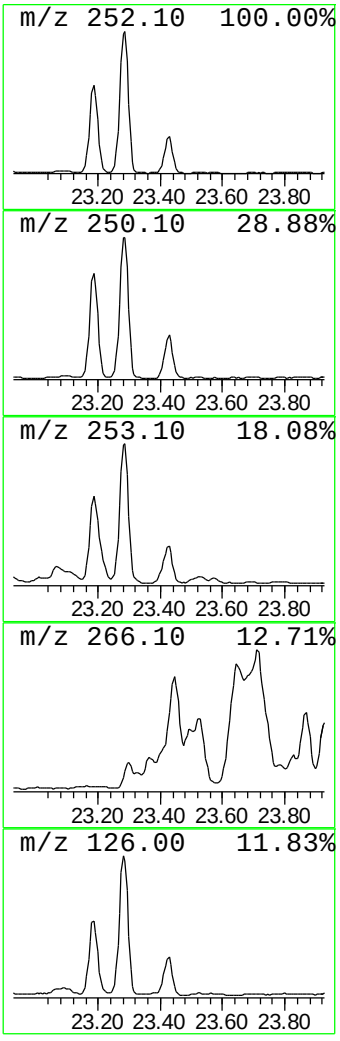
Peak Number 20 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	16.44 ng	2169500	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	89
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	83
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
4	Benzo[a]pyrene	252	C20H12	000050-32-8	70
5	Benzo[e]pyrene	252	C20H12	000192-97-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090920\
Data File : BP003241.D
Acq On : 09 Sep 2020 15:20
Operator : CG/JU
Sample : L3870-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-090820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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
9H-Fluorene, 1-me...	16.35	5.6	ng	654851	4	17.05	2330300	20.0
Naphtho[2,1-b]thi...	16.86	5.4	ng	628771	4	17.05	2330300	20.0
1-Methyldibenzoth...	17.63	4.0	ng	464460	4	17.05	2330300	20.0
Hexadecanoic acid...	17.74	7.9	ng	915458	4	17.05	2330300	20.0
Anthracene, 2-met...	17.92	13.3	ng	1544290	4	17.05	2330300	20.0
Phenanthrene, 2-m...	17.97	19.4	ng	2256420	4	17.05	2330300	20.0
Phenanthrene, 1-m...	18.05	9.4	ng	1095280	4	17.05	2330300	20.0
4H-Cyclopenta[def...	18.11	30.0	ng	3491760	4	17.05	2330300	20.0
Phenanthrene, 4-m...	18.14	9.5	ng	1109610	4	17.05	2330300	20.0
Naphthalene, 2-ph...	18.40	7.0	ng	815071	4	17.05	2330300	20.0
9,10-Dimethylanth...	18.82	11.5	ng	1339510	4	17.05	2330300	20.0
9,15-Octadecadien...	18.85	19.4	ng	2256060	4	17.05	2330300	20.0
11-Octadecenoic a...	18.88	18.8	ng	2190870	4	17.05	2330300	20.0
Cyclopenta(def)ph...	18.95	8.0	ng	933481	4	17.05	2330300	20.0
11H-Benzo[b]fluorene	19.90	5.7	ng	2997590	5	21.15	10519000	20.0
Pyrene, 1-methyl-	20.00	4.4	ng	2297040	5	21.15	10519000	20.0
Triphenylene, 2-m...	21.69	3.9	ng	2046290	5	21.15	10519000	20.0
Benzo[e]pyrene	22.87	12.4	ng	1634330	6	23.37	2639970	20.0
Perylene	23.43	16.4	ng	2169500	6	23.37	2639970	20.0