LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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	4.405	252	258	267	rVB	290946	448559	5.49%	0.506%
2	5.258	397	403	413	rBV	125809	198185	2.43%	0.223%
3	6.346	579	588	597	rBV	548788	842649	10.31%	0.950%
4	6.840	666	672	687	rBV	107624	210218	2.57%	0.237%
5	7.640	799	808	824	rBV	559203	953713	11.67%	1.075%
6	7.869	840	847	854	rBV	103799	164568	2.01%	0.186%
7	8.793	994	1004	1015	rBV2	77558	200347	2.45%	0.226%
8	10.422	1273	1281	1286	rBV	736671	1269901	15.54%	1.432%
9	10.475	1286	1290	1306	rVB2	234438	658196	8.05%	0.742%
10	12.093	1559	1565	1575	rBV	145773	251060	3.07%	0.283%
11	12.316	1594	1603	1613	rVB	153631	256947	3.14%	0.290%
12	12.904	1697	1703	1716	rBV	252201	393549	4.82%	0.444%
13	13.451	1790	1796	1797	rBV2	58602	82756	1.01%	0.093%
14	13.610	1816	1823	1828	rBV	138226	247837	3.03%	0.279%
15	13.663	1828	1832	1838	rVB	82482	120646	1.48%	0.136%
16	13.846	1857	1863	1867	rBV	64742	104632	1.28%	0.118%
17	14.004	1883	1890	1904	rBV	436009	727640	8.90%	0.820%
18	14.134	1906	1912	1922	rVB2	40411	105874	1.30%	0.119%
19	14.287	1931	1938	1944	rBV2	1060474	1615286	19.77%	1.821%
20	14.351	1944	1949	1958	rVB	217313	331904	4.06%	0.374%
21	14.687	2001	2006	2015	rVV	246550	413009	5.05%	0.466%
22	14.775	2016	2021	2028	rVB	59863	88635	1.08%	0.100%
23	14.916	2038	2045	2050	rBV3	56406	110855	1.36%	0.125%
24	15.340	2111	2117	2129	rVB	400181	639626	7.83%	0.721%
25	15.640	2163	2168	2179	rVB	133518	237494	2.91%	0.268%
26	15.787	2188	2193	2201	rVB	249165	447830	5.48%	0.505%
27	16.028	2228	2234	2246	rVB3	63461	126082	1.54%	0.142%
28	16.351	2278	2289	2294	rBV3	102090	252125	3.09%	0.284%
29	16.398	2294	2297	2303	rVB3	76472	107046	1.31%	0.121%
30	16.581	2325	2328	2332	rVV2	75465	123458	1.51%	0.139%
31	16.622	2332	2335	2339	rVV2	97739	142343	1.74%	0.161%
32	16.698	2343	2348	2356	rVV	214923	350771	4.29%	0.396%
33	16.798	2357	2365	2369	rVV2	135032	307786	3.77%	0.347%
34	16.857	2371	2375	2386	rVB	251423	410155	5.02%	0.462%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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	17.045	2401	2407	2410	rBV	1050763	1660391	20.32%	1.872%
36	17.087	2410	2414	2421	rVV	4065622	5789563	70.85%	6.528%
37	17.175	2424	2429	2435	rVV	631633	916980	11.22%	1.034%
38	17.240	2435	2440	2446	rVB4	78006	139770	1.71%	0.158%
39	17.445	2467	2475	2480	rBV2	245362	427207	5.23%	0.482%
40	17.563	2491	2495	2500	rVV	128839	169079	2.07%	0.191%
41	17.628	2501	2506	2511	rBV	172962	245313	3.00%	0.277%
42	17.763	2526	2529	2538	rVB	90558	156267	1.91%	0.176%
43	17.839	2538	2542	2546	rBV	64229	85486	1.05%	0.096%
44	17.916	2550	2555	2559	rVV	803976	1084515	13.27%	1.223%
45	17.963	2559	2563	2571	rVB	1031033	1329472	16.27%	1.499%
46	18.039	2572	2576	2581	rBV	209898	282533	3.46%	0.319%
47	18.104	2581	2587	2591	rBV2	978456	1692656	20.71%	1.909%
48	18.139	2591	2593	2600	rVB	549618	686548	8.40%	0.774%
49	18.304	2618	2621	2625	rVB2	65418	84112	1.03%	0.095%
50	18.404	2633	2638	2641	rBV	490602	631022	7.72%	0.712%
51	18.445	2641	2645	2655	rVB	631812	912526	11.17%	1.029%
52	18.528	2655	2659	2662	rBV	100887	130616	1.60%	0.147%
53	18.645	2675	2679	2683	rVV	235461	328241	4.02%	0.370%
54	18.698	2684	2688	2690	rVV	176001	234283	2.87%	0.264%
55	18.734	2690	2694	2697	rVB	138540	178608	2.19%	0.201%
56	18.816	2703	2708	2712	rBV	420119	660684	8.09%	0.745%
57	18.869	2712	2717	2720	rVV3	231379	442067	5.41%	0.498%
58	18.898	2720	2722	2726	rVB	149225	163110	2.00%	0.184%
59	18.945	2726	2730	2738	rBV	460441	750255	9.18%	0.846%
60	19.069	2745	2751	2756	rBV	4947888	6506608	79.62%	7.337%
61	19.128	2758	2761	2764	rBV	117186	156389	1.91%	0.176%
62	19.163	2764	2767	2771	rBV3	126952	148745	1.82%	0.168%
63	19.210	2772	2775	2779	rBV	280915	318754	3.90%	0.359%
64	19.263	2780	2784	2787	rBV2	188281	305527	3.74%	0.345%
65	19.422	2801	2811	2819	rVV	4766254	8171722	100.00%	9.214%
66	19.486	2819	2822	2829	rVB3	272889	479799	5.87%	0.541%
67	19.592	2836	2840	2842	rBV	237986	340889	4.17%	0.384%
68	19.616	2842	2844	2847	rVV	343127	361751	4.43%	0.408%
69	19.651	2847	2850	2856	rVB2	281515	374736	4.59%	0.423%
70	19.739	2859	2865	2871	rBV2	444617	1062973	13.01%	1.199%
71	19.869	2882	2887	2888	rBV4	381559	528165	6.46%	0.596%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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	19.898	2889	2892	2896	rVB	623500	889758	10.89%	1.003%
73	19.998	2906	2909	2913	rBV	421733	529352	6.48%	0.597%
74	20.057	2914	2919	2922	rVV2	642002	878083	10.75%	0.990%
75	20.192	2938	2942	2945	rBV2	453045	573229	7.01%	0.646%
76	20.233	2945	2949	2954	rVB	490146	667383	8.17%	0.753%
77	20.633	3013	3017	3023	rVB	656857	865654	10.59%	0.976%
78	20.792	3038	3044	3047	rBV2	527195	1026238	12.56%	1.157%
79	20.828	3047	3050	3054	rVV	689774	902420	11.04%	1.018%
80	20.869	3054	3057	3062	rVV2	539856	930690	11.39%	1.049%
81	20.922	3063	3066	3073	rVB	637827	875125	10.71%	0.987%
82	21.128	3096	3101	3106	rBV3	2930493	5610718	68.66%	6.327%
83	21.175	3106	3109	3119	rVB	2662292	3742601	45.80%	4.220%
84	21.292	3126	3129	3134	rBV	340424	502646	6.15%	0.567%
85	21.686	3193	3196	3200	rVB	513288	617994	7.56%	0.697%
86	21.739	3202	3205	3211	rVB2	332478	483341	5.91%	0.545%
87	21.880	3226	3229	3233	rBV2	288115	486460	5.95%	0.549%
88	22.710	3364	3370	3375	rBV2	1937209	4688943	57.38%	5.287%
89	22.875	3395	3398	3405	rVB	413027	626764	7.67%	0.707%
90	23.180	3445	3450	3459	rVB	1296103	2640746	32.32%	2.978%
91	23.280	3461	3467	3474	rBV	1944240	3552122	43.47%	4.005%
92	23.374	3478	3483	3488	rBV2	962789	1813081	22.19%	2.044%
93	25.657	3864	3871	3881	rVB	1003148	2851009	34.89%	3.215%
94	26.351	3984	3989	4000	rVB	737382	2051706	25.11%	2.313%

Sum of corrected areas: 88685107

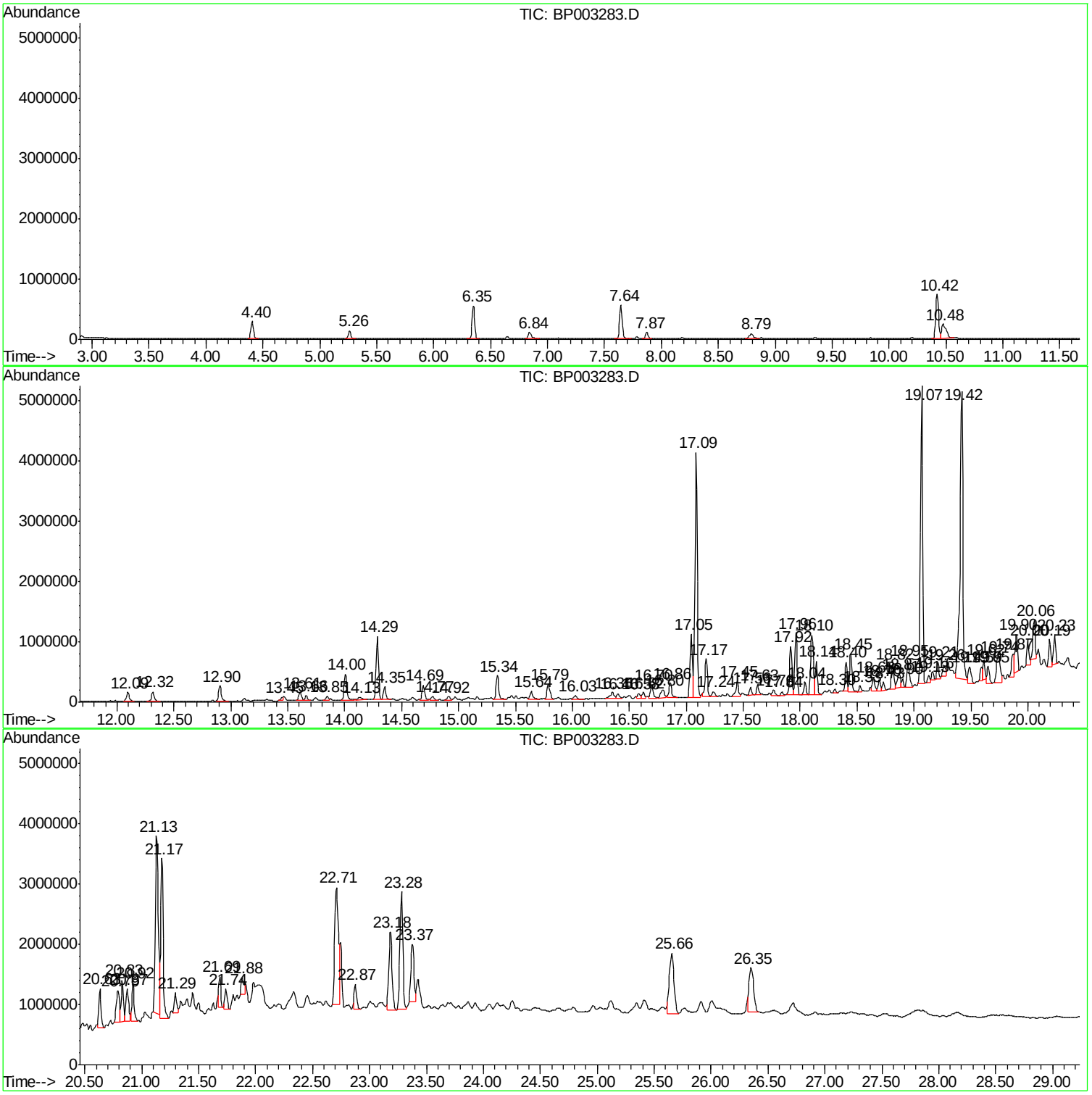
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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

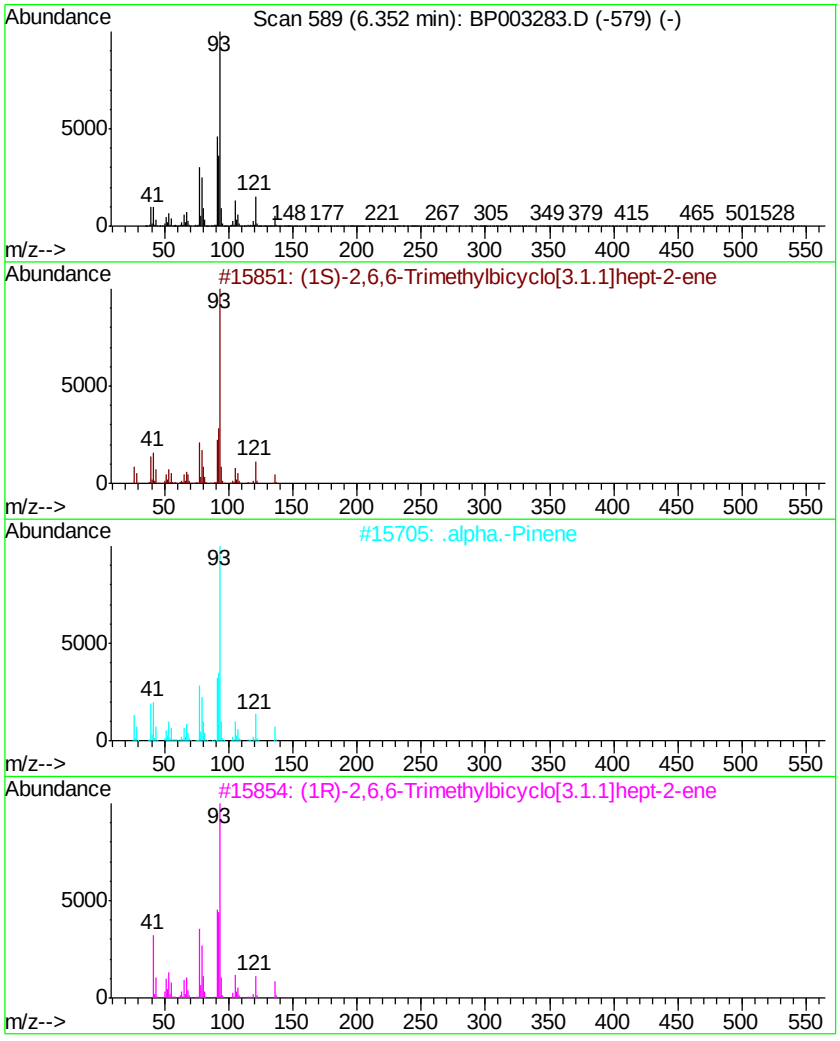
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

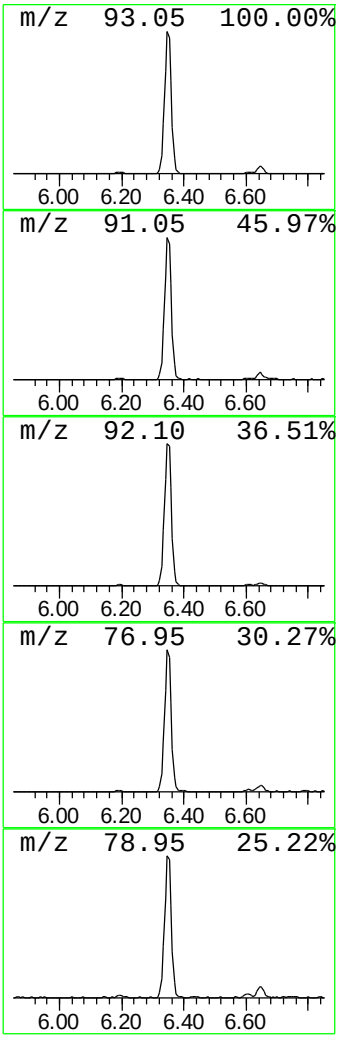
****

Peak Number 2 (1S)-2,6,6-Trimethylbicyclo... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	17.67 ng	842649	1,4-Dichlorobenzene-d4	7.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	97
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(+)-3-Carene	136	C10H16	000498-15-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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

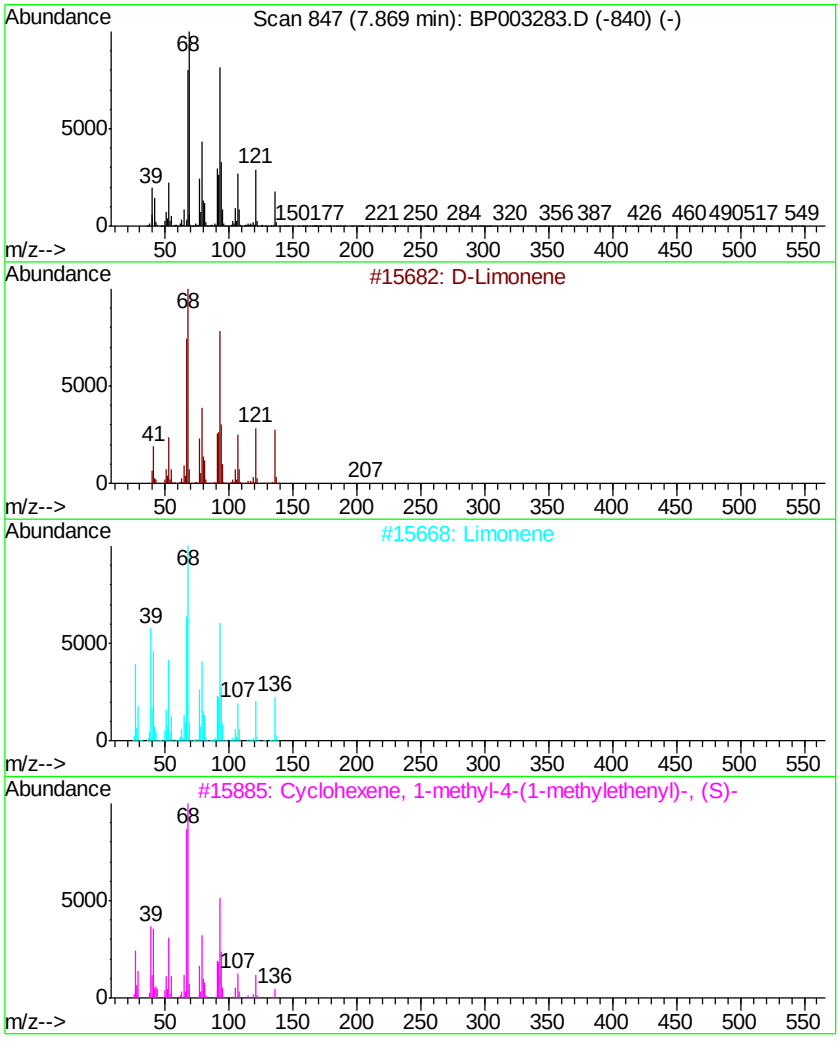
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

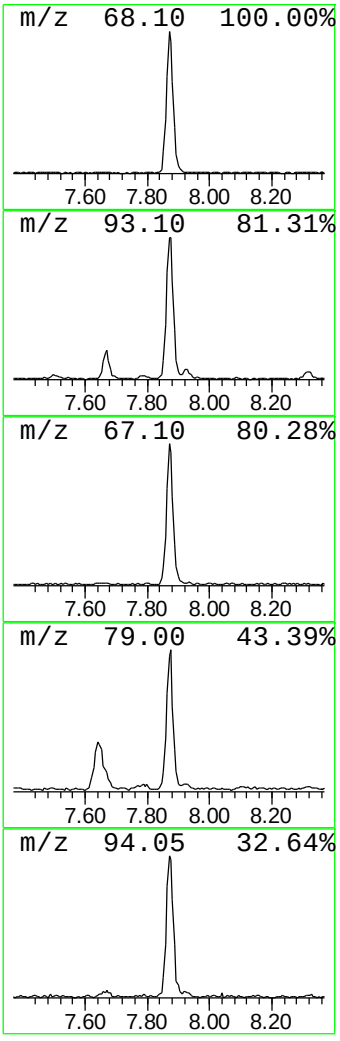
****

Peak Number 3 D-Limonene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	3.45 ng	164568	1,4-Dichlorobenzene-d4	7.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	Limonene	136	C10H16	000138-86-3	93
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	86
4	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	50
5	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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

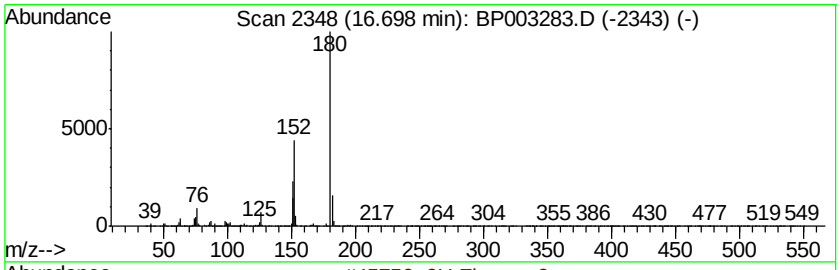
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

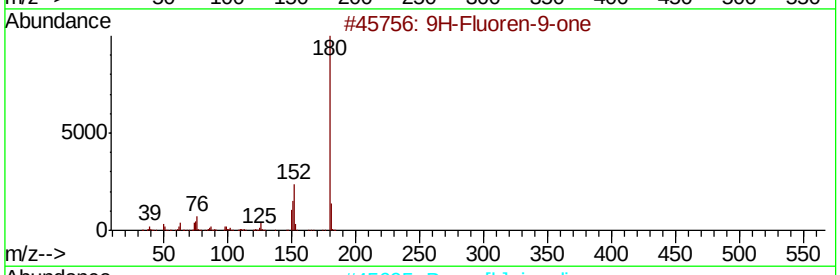
****

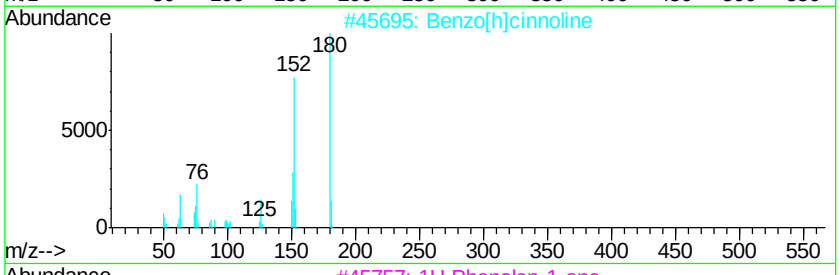
Peak Number 4 9H-Fluoren-9-one Concentration Rank 15

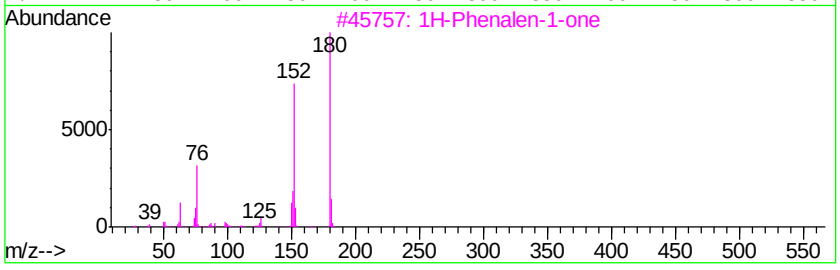
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	4.23 ng	350771	Phenanthrene-d10	17.04

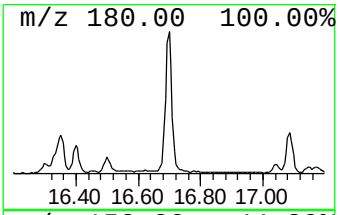
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	Phenazine	180	C12H8N2	000092-82-0	47
5	o-Phenanthroline	180	C12H8N2	000066-71-7	38

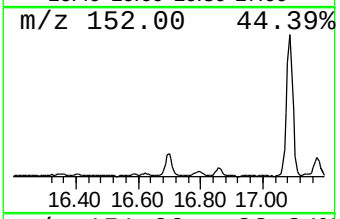


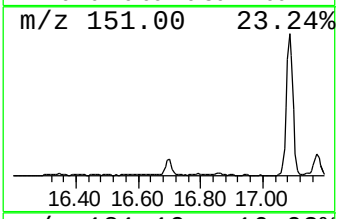


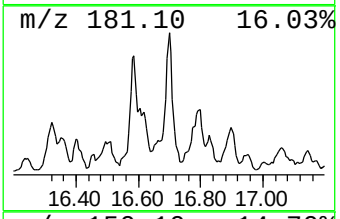


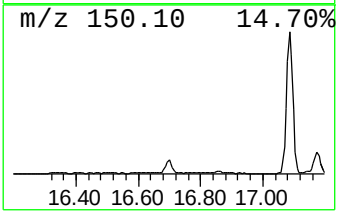












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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

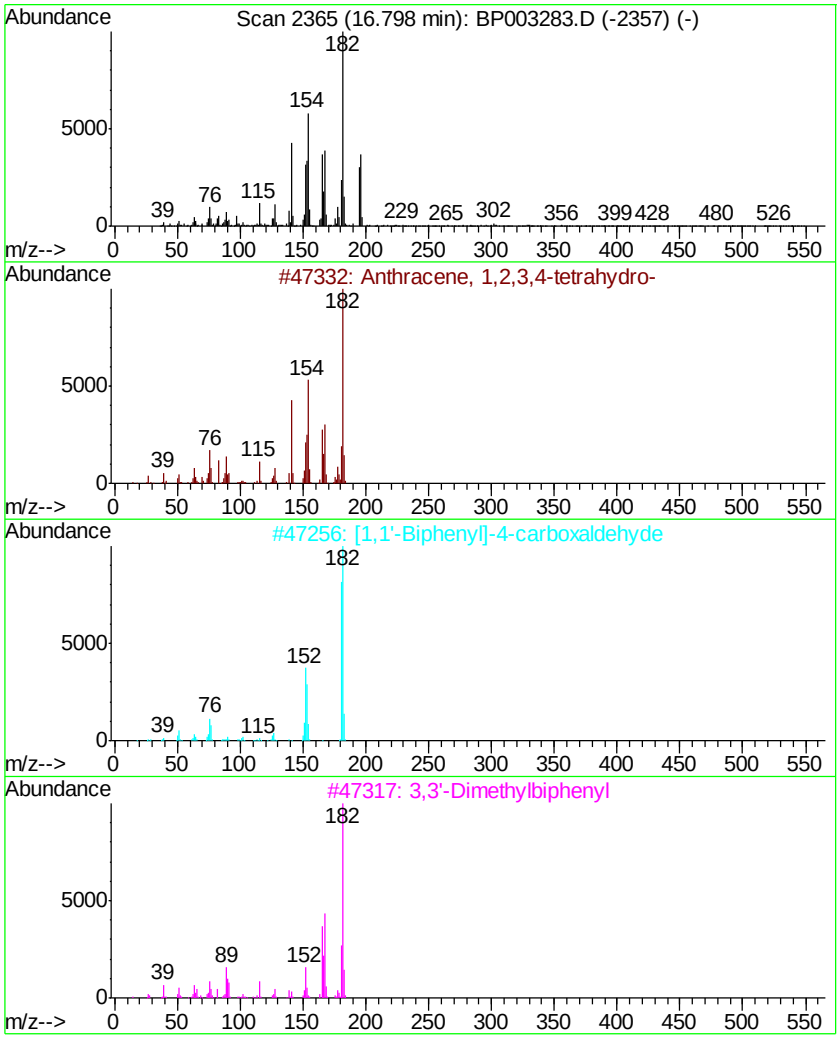
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

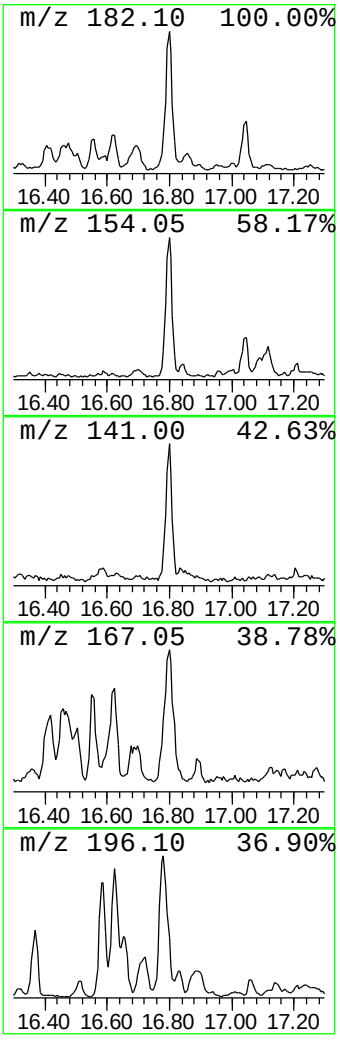
****

Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.71 ng	307786	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	53
5	Bicyclo[3.2.1]octane-6-carboxyli...	182	C10H14O3	1000362-16-3	50





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Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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

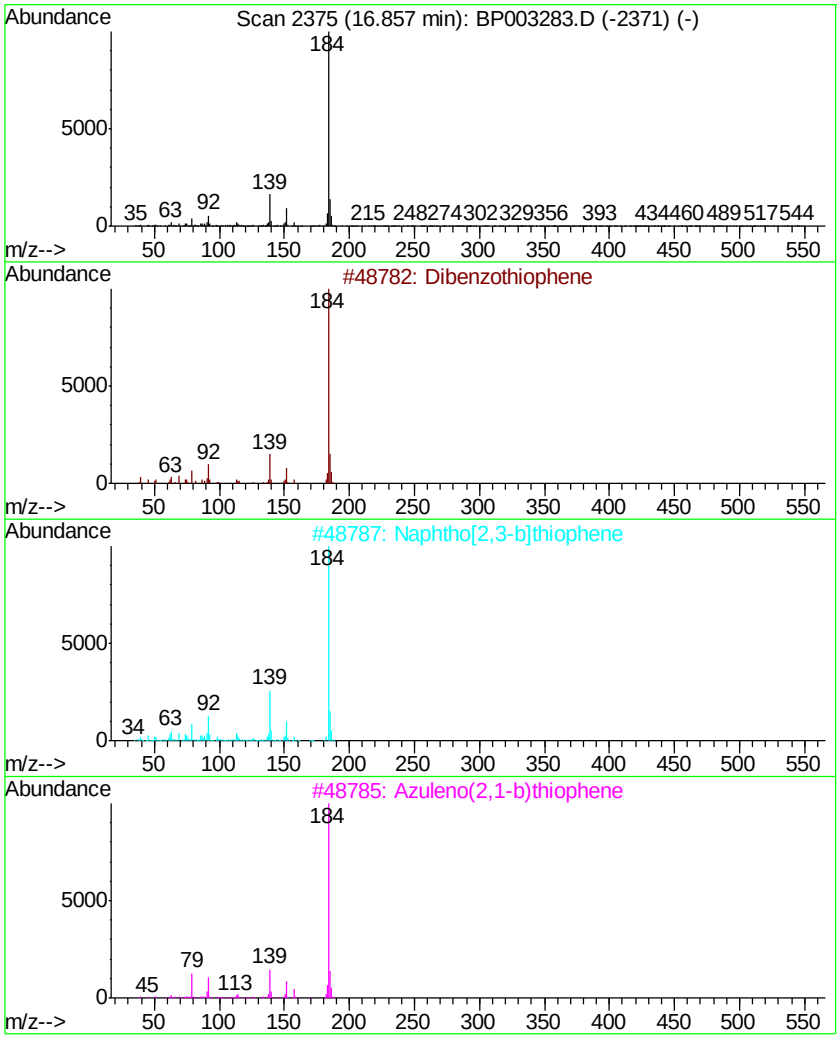
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

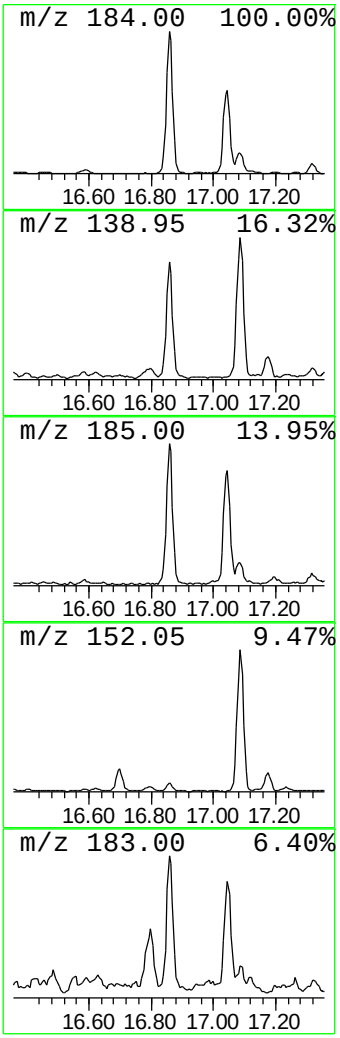
****

Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	4.94 ng	410155	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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

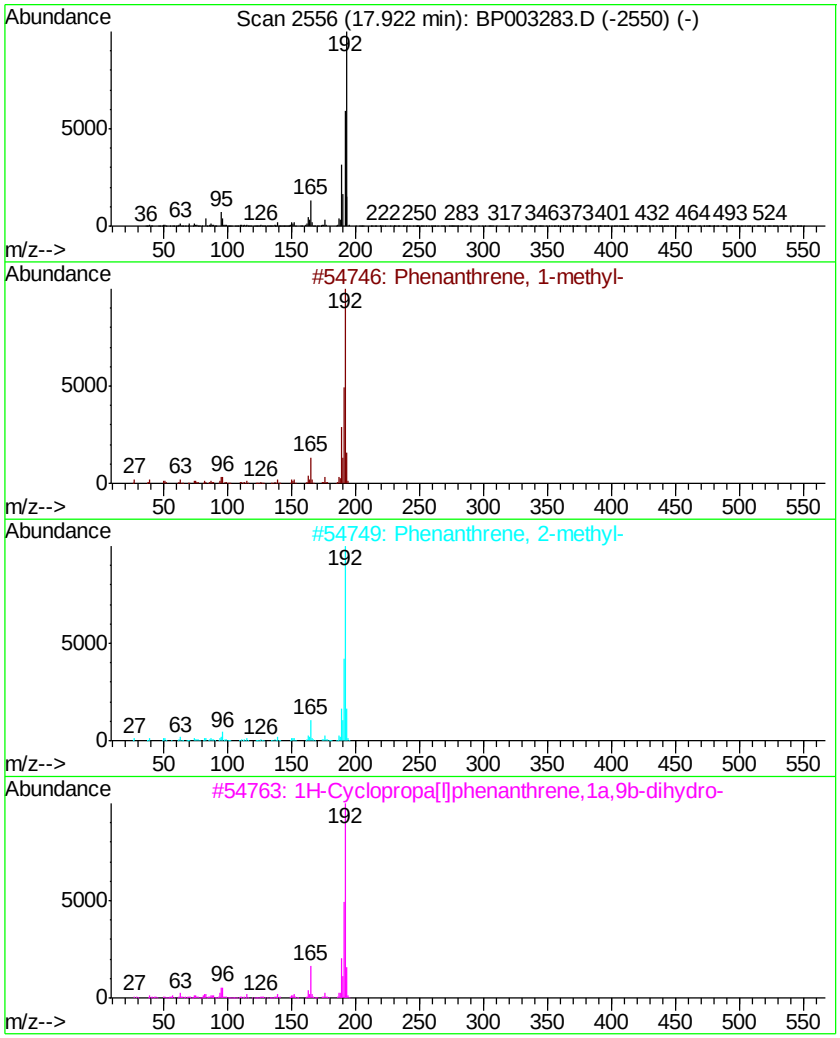
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

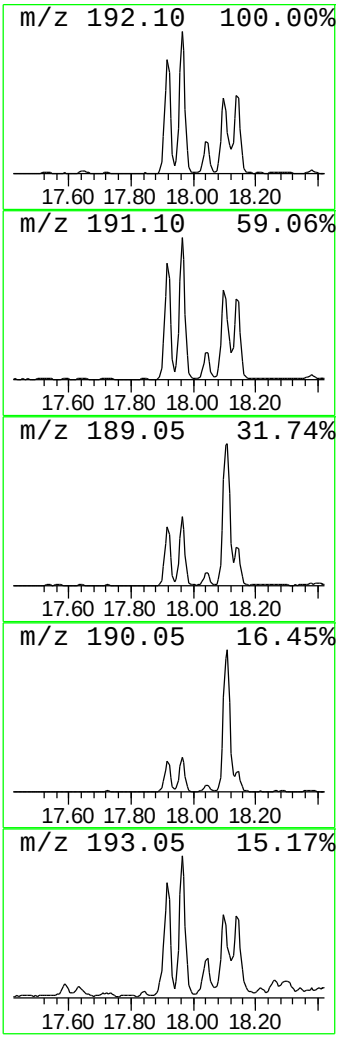
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	13.06 ng	1084520	Phenanthrene-d10	17.04

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, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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

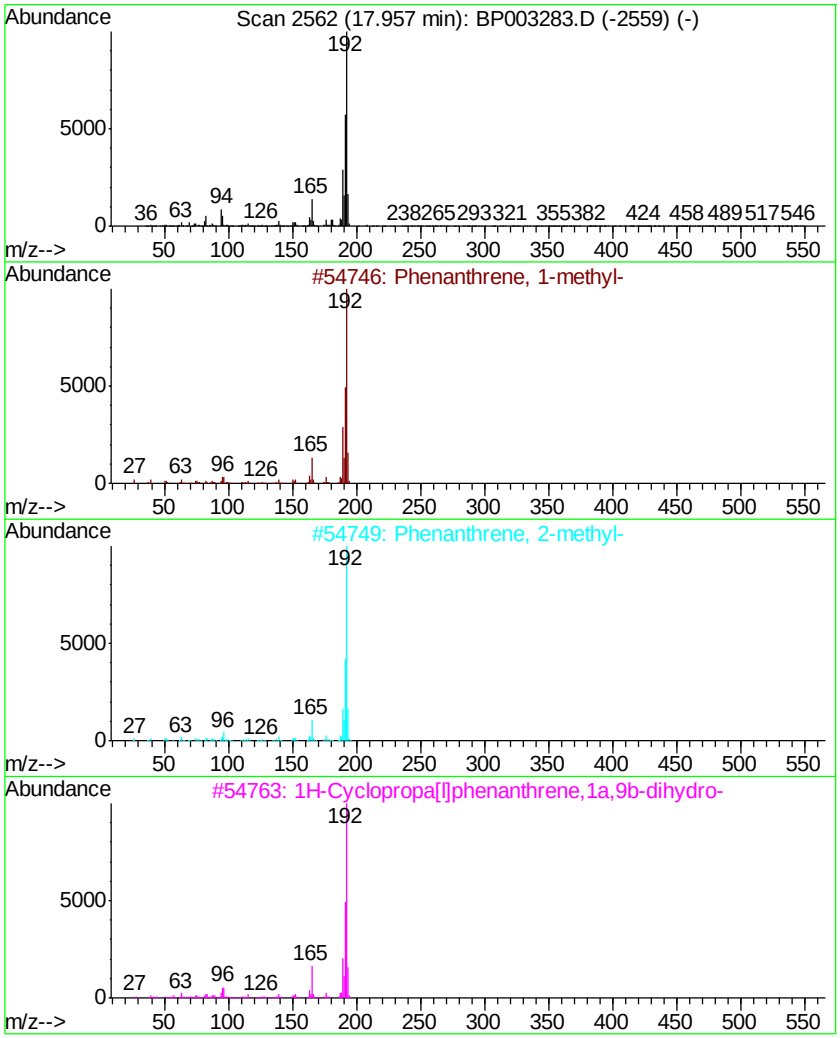
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

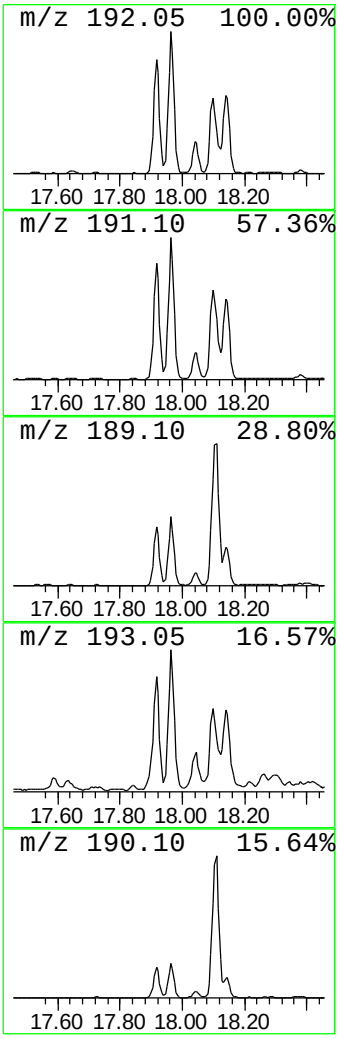
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	16.01 ng	1329470	Phenanthrene-d10	17.04

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	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Library Search Compound Report

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Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

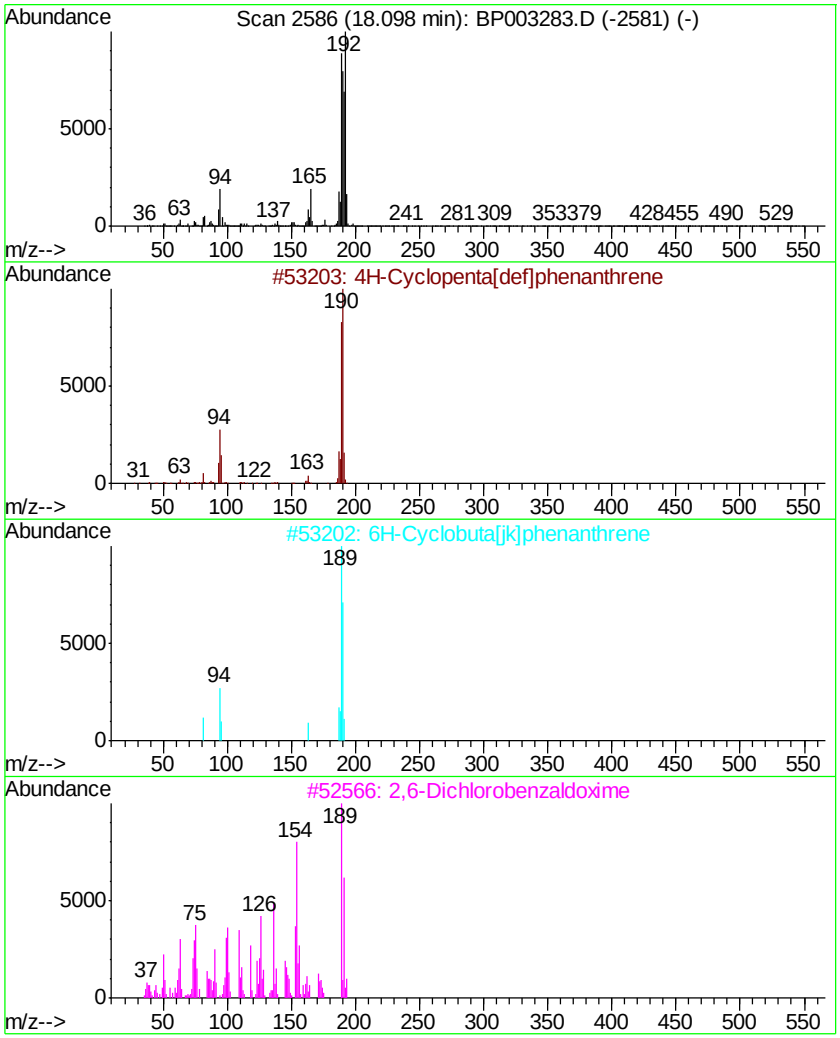
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

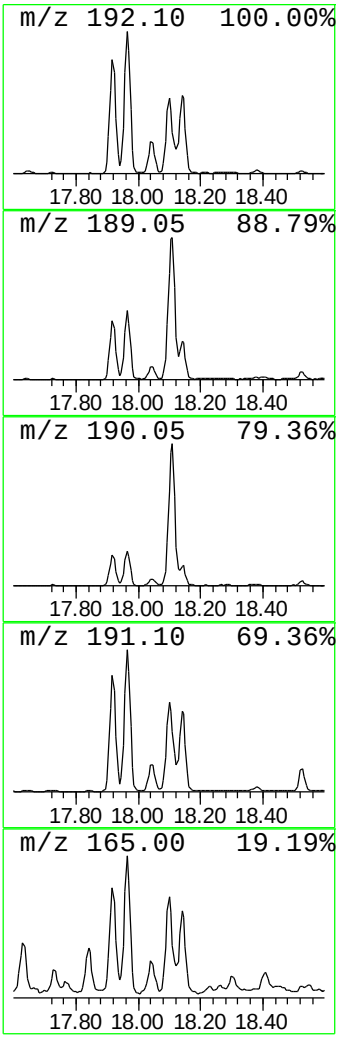
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	20.39 ng	1692660	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





Library Search Compound Report

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Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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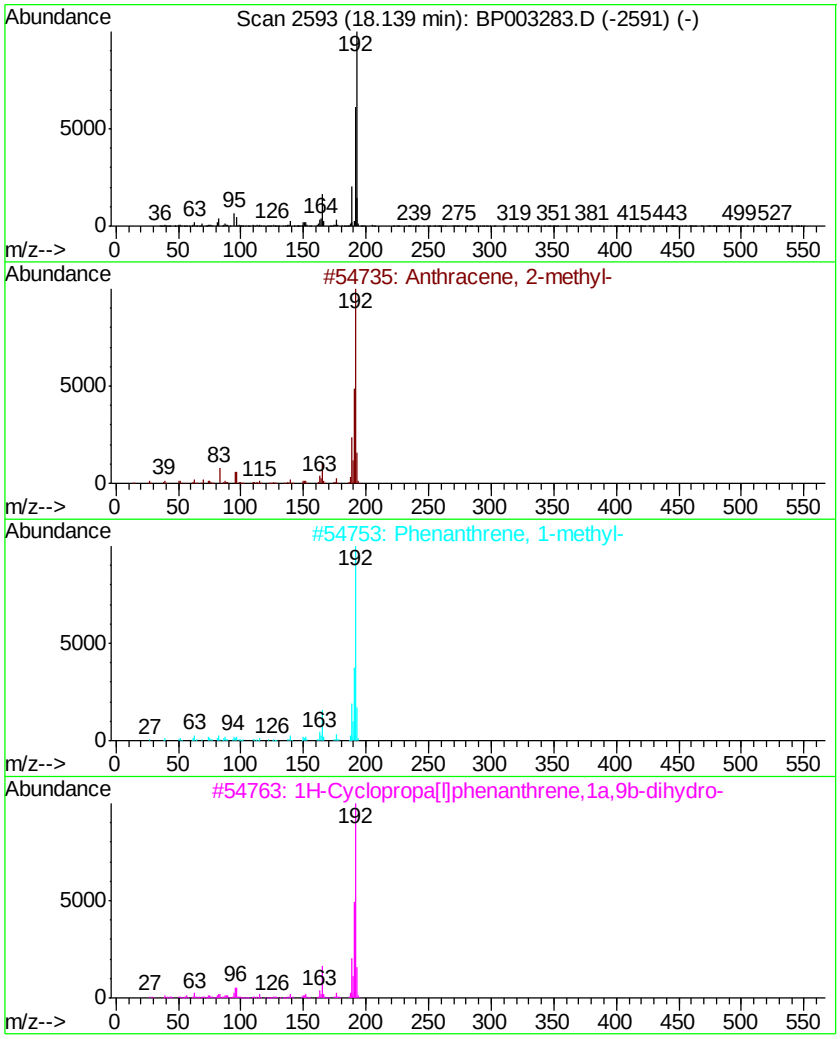
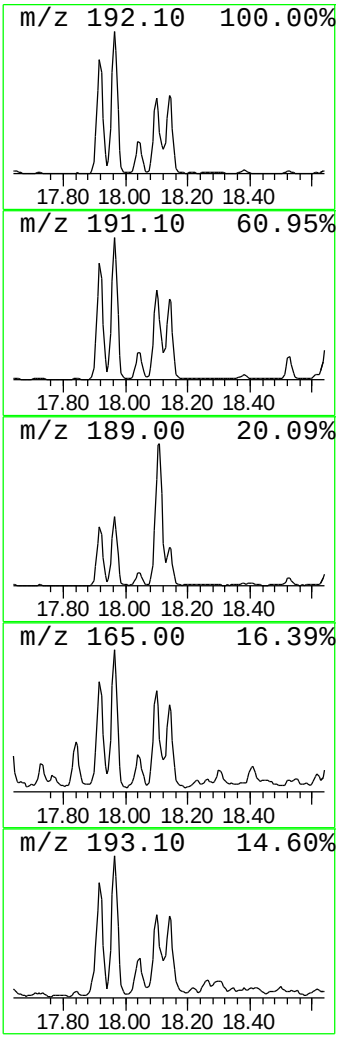
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	8.27 ng	686548	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87





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Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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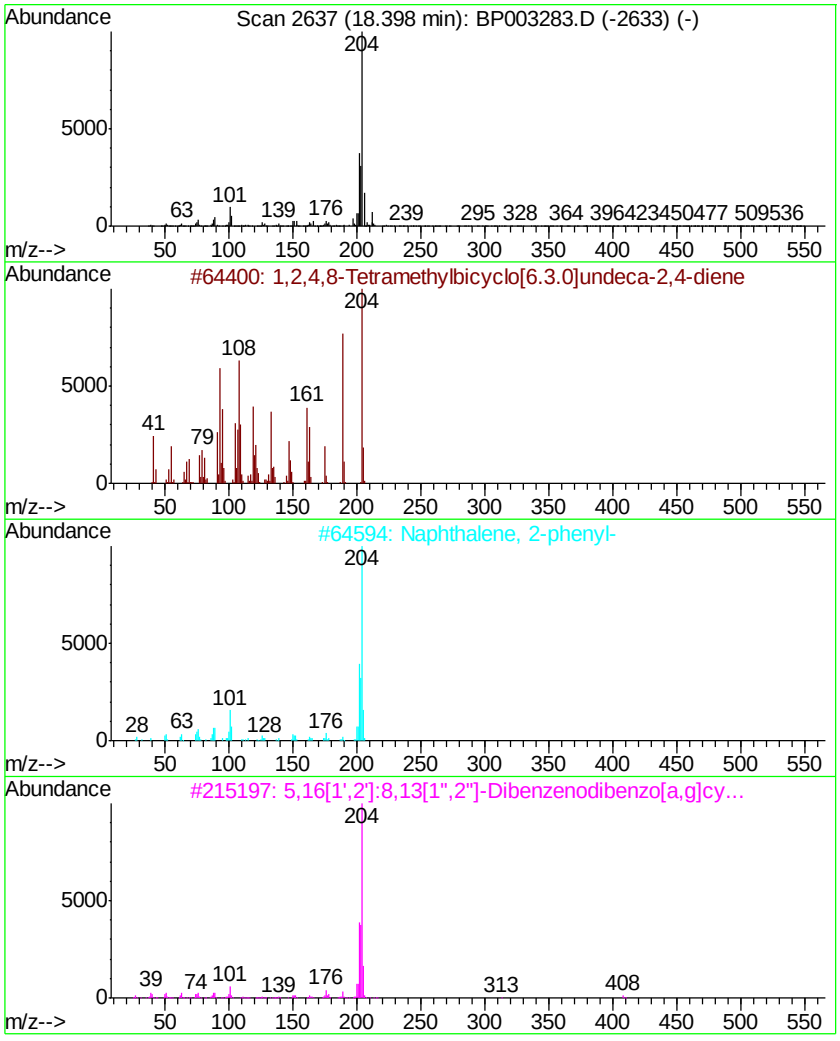
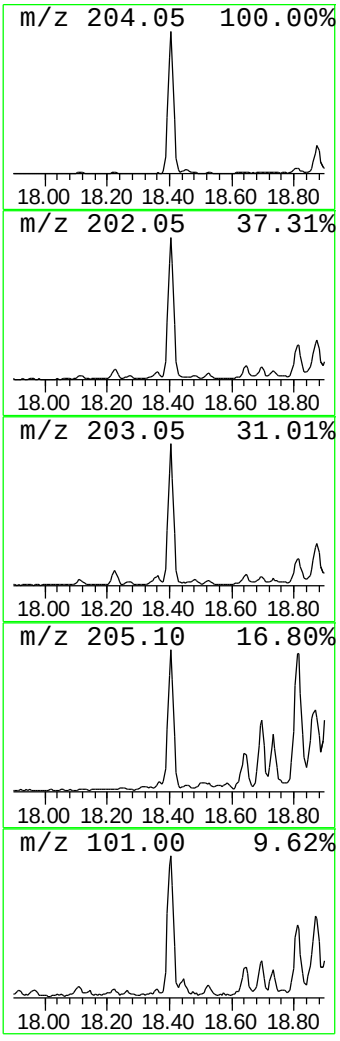
Peak Number 11 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	7.60 ng	631022	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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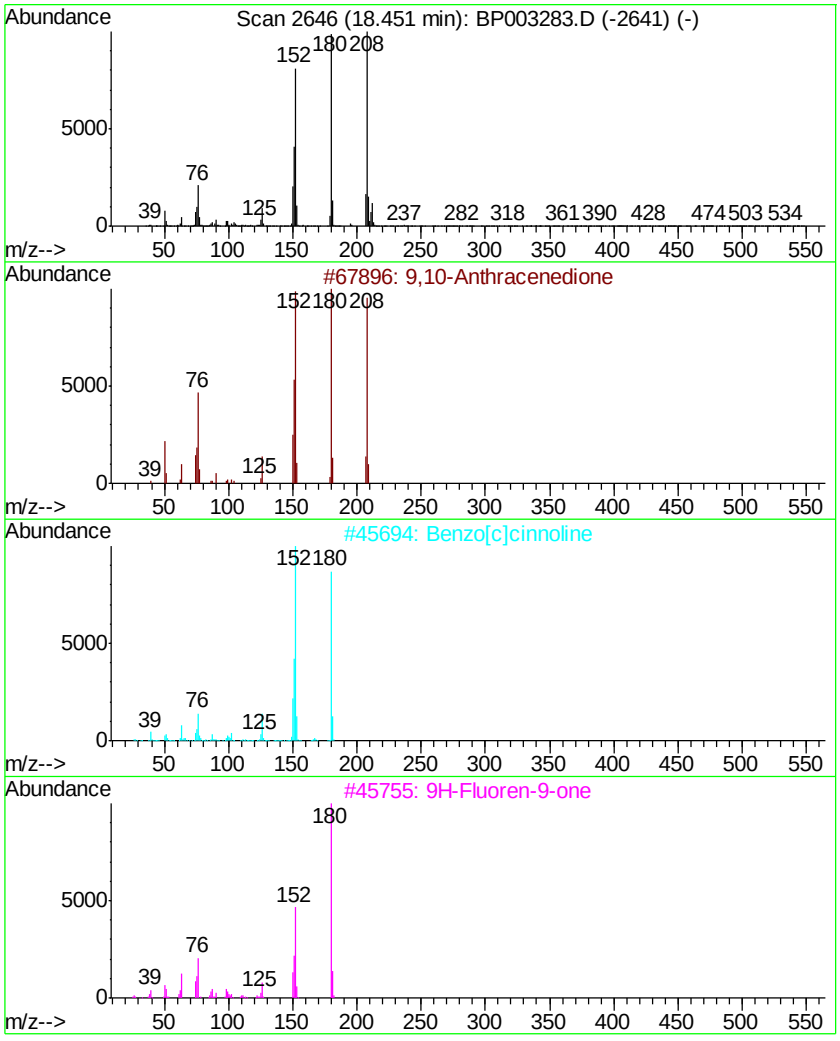
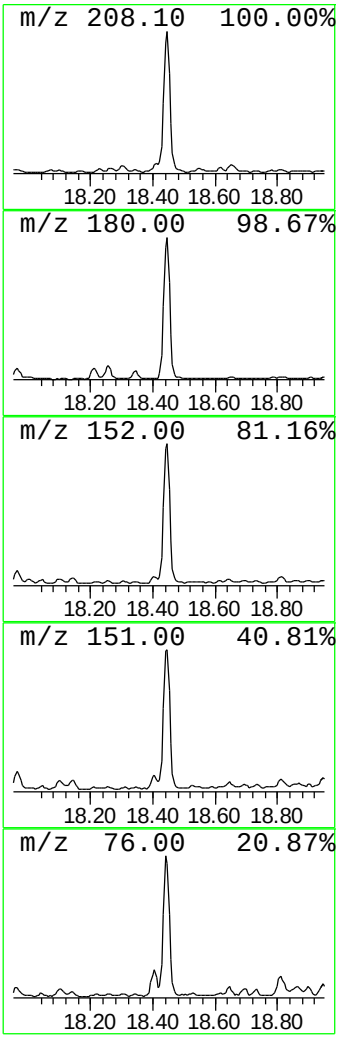
Peak Number 12 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	10.99 ng	912526	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	47





Library Search Compound Report

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Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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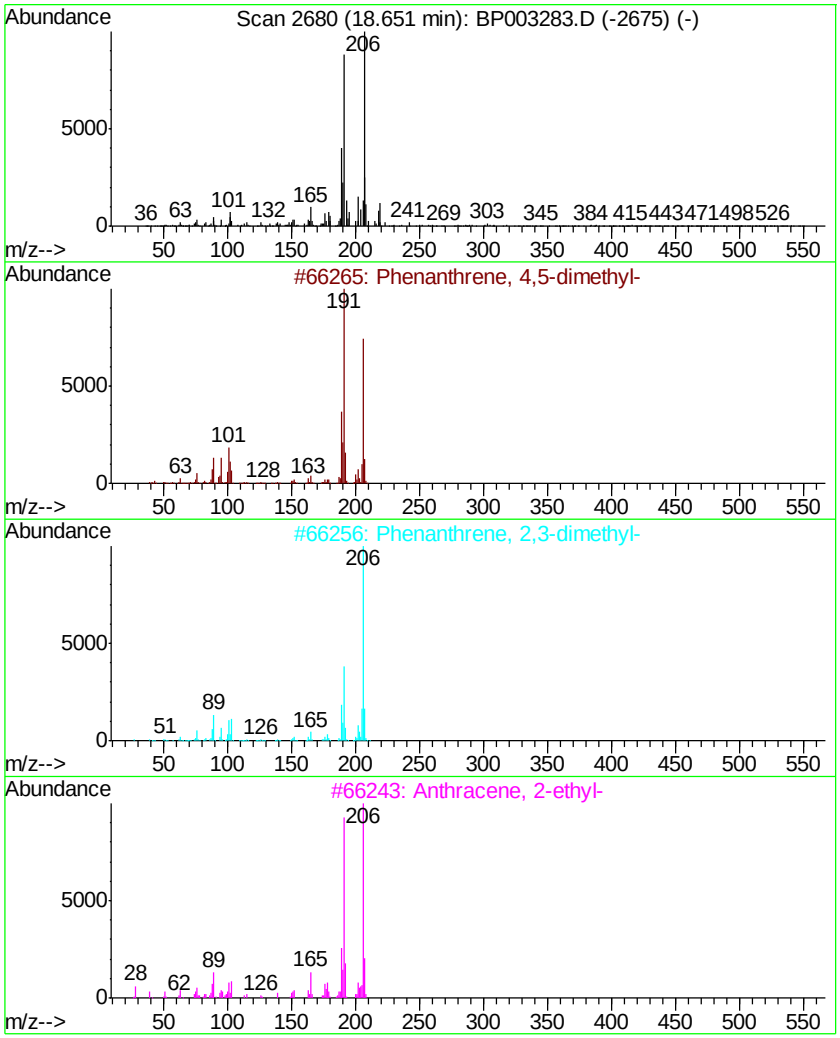
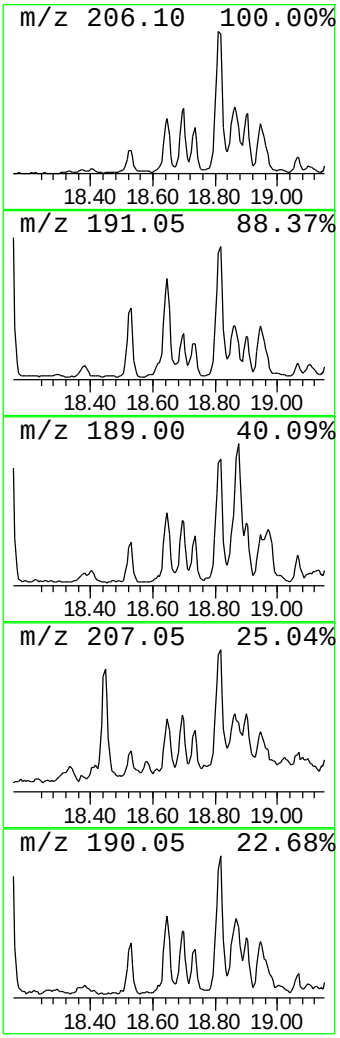
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	3.95 ng	328241	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	81





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Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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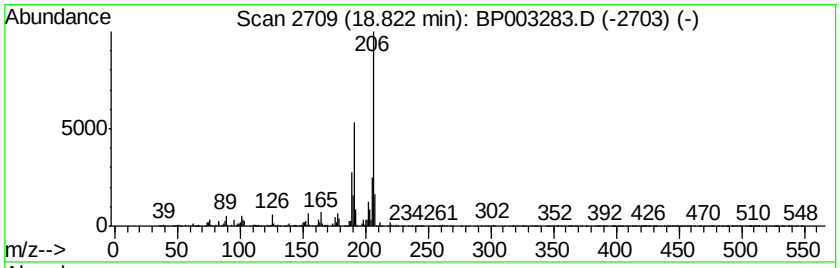
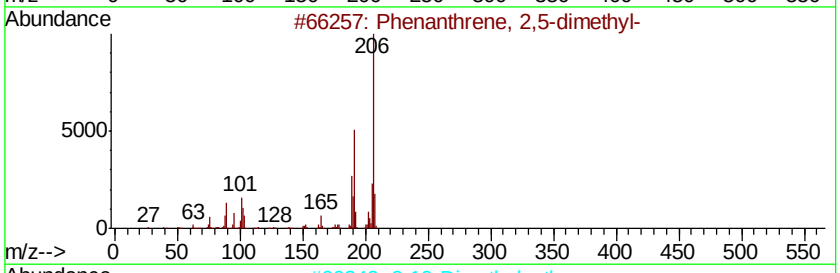
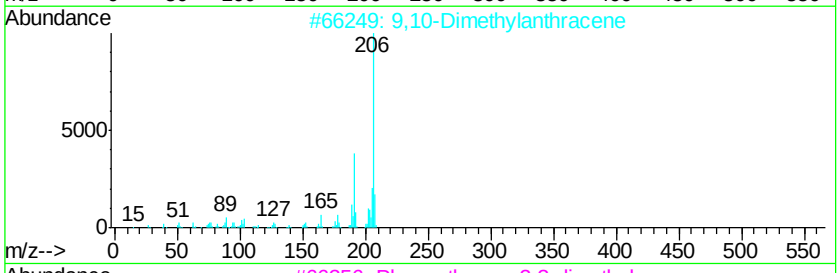
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

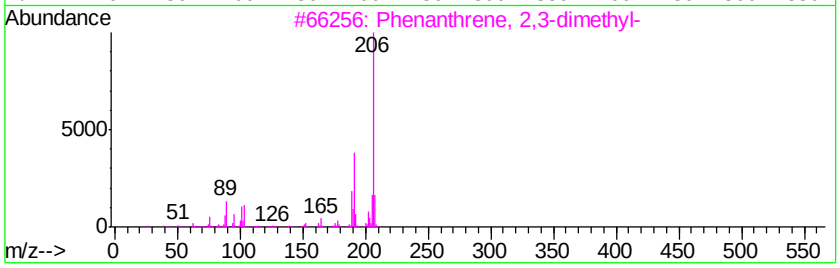
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	7.96 ng	660684	Phenanthrene-d10	17.04

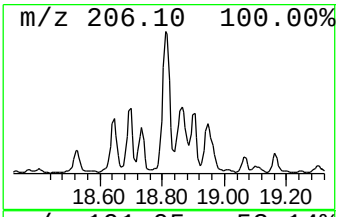
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83

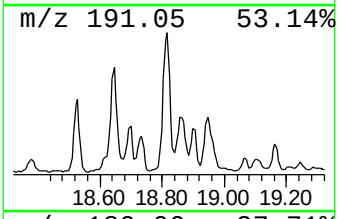


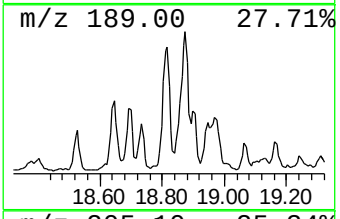


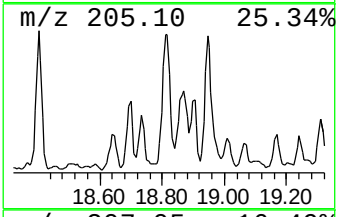


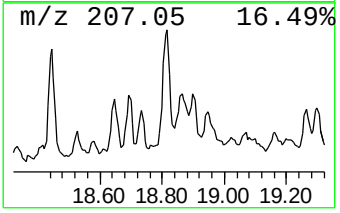












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Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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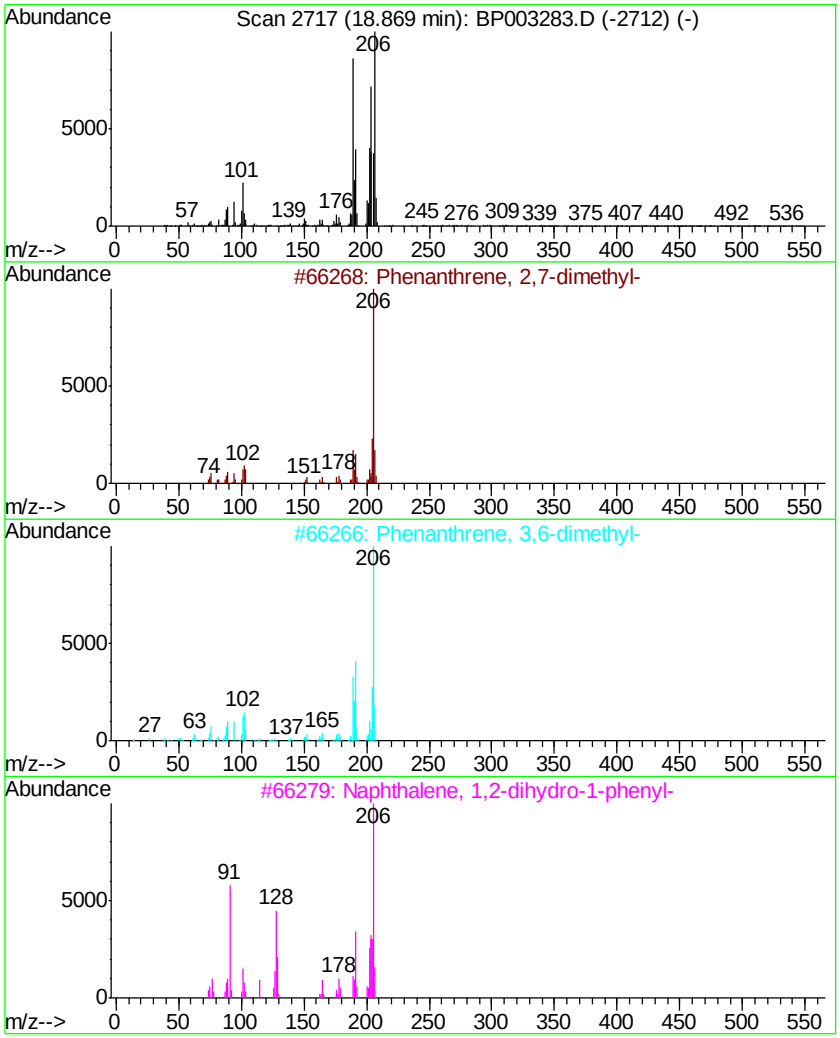
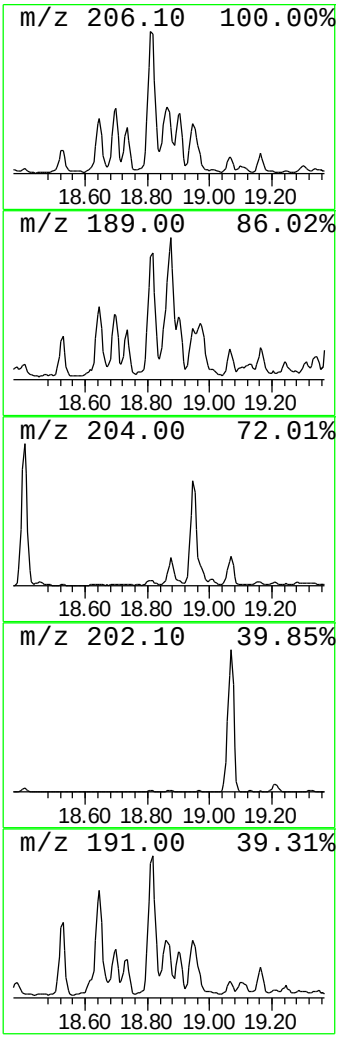
Peak Number 15 unknown18.87 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.32 ng	442067	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	45
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38





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Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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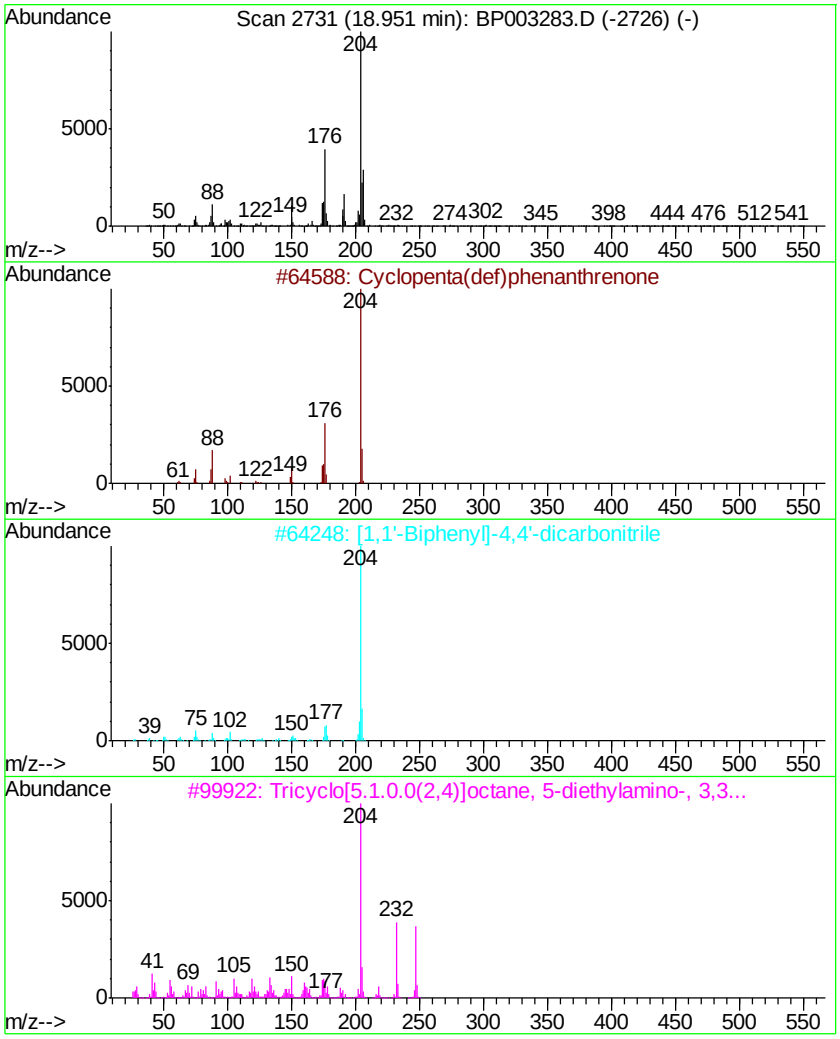
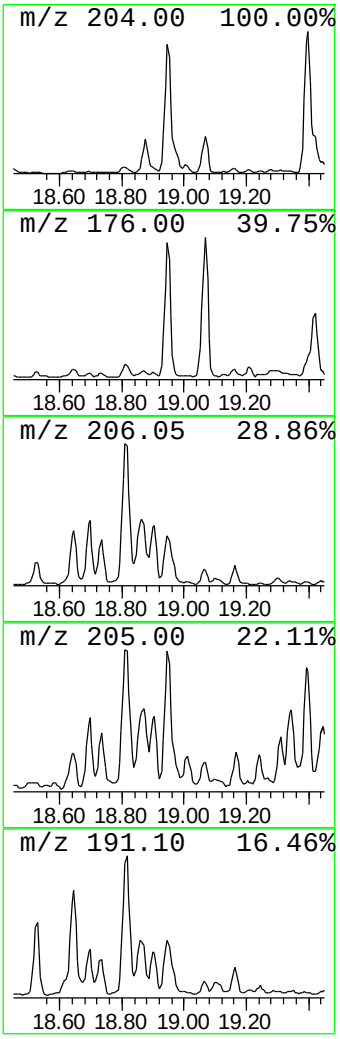
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	9.04 ng	750255	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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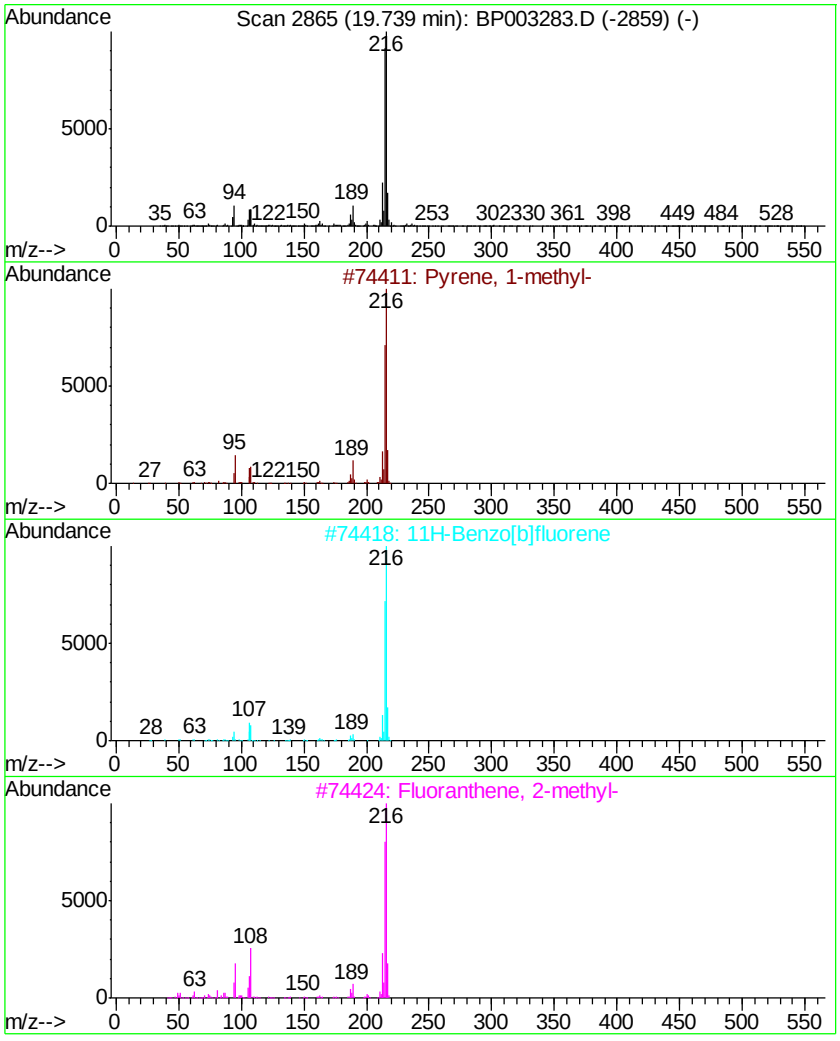
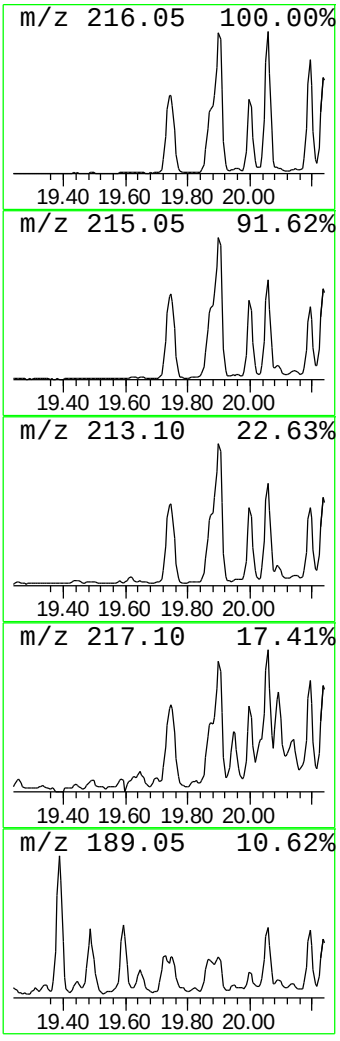
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	3.79 ng	1062970	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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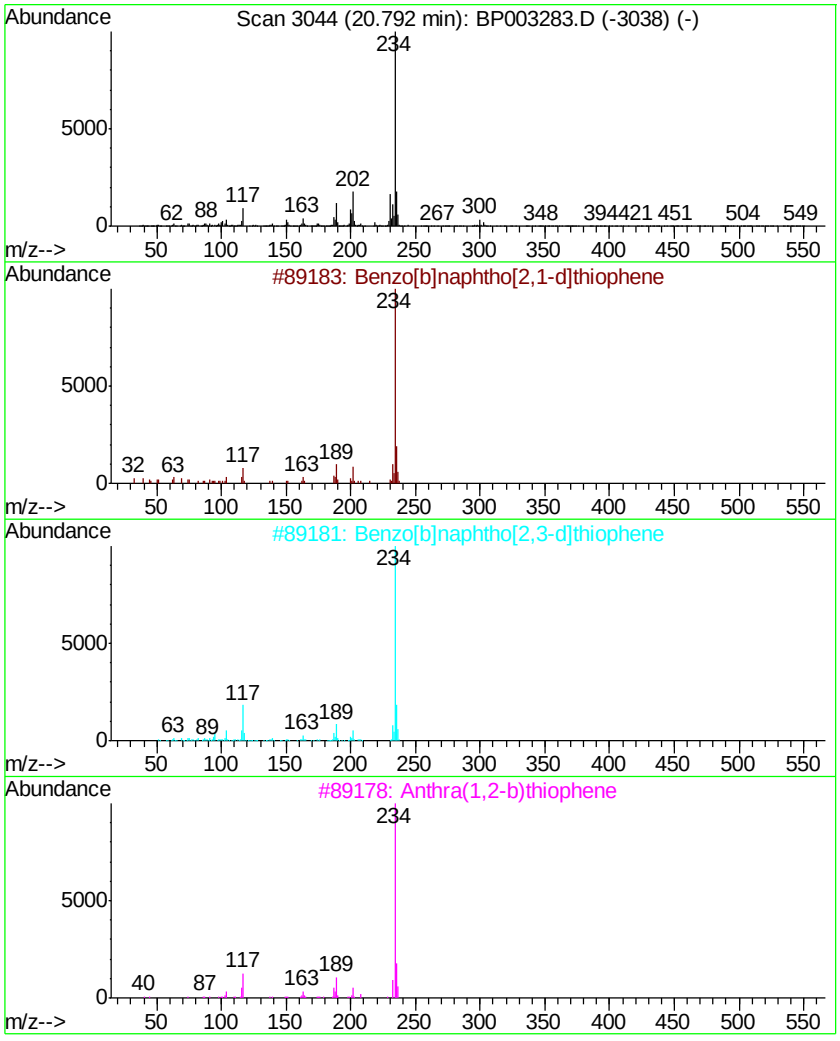
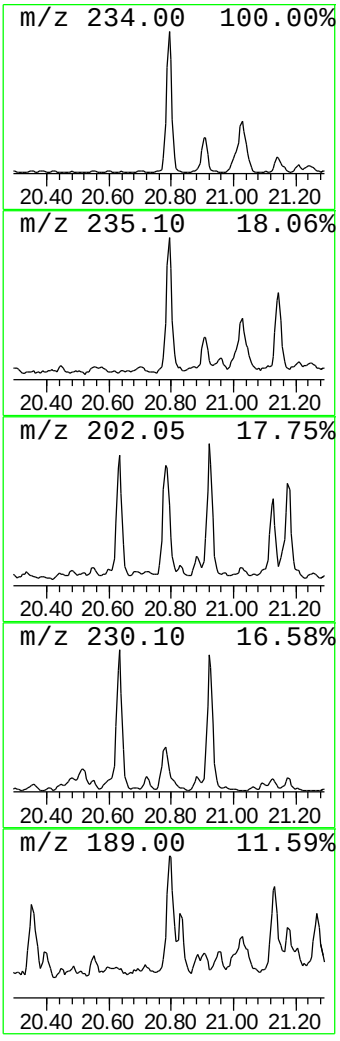
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	3.66 ng	1026240	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	89
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	68
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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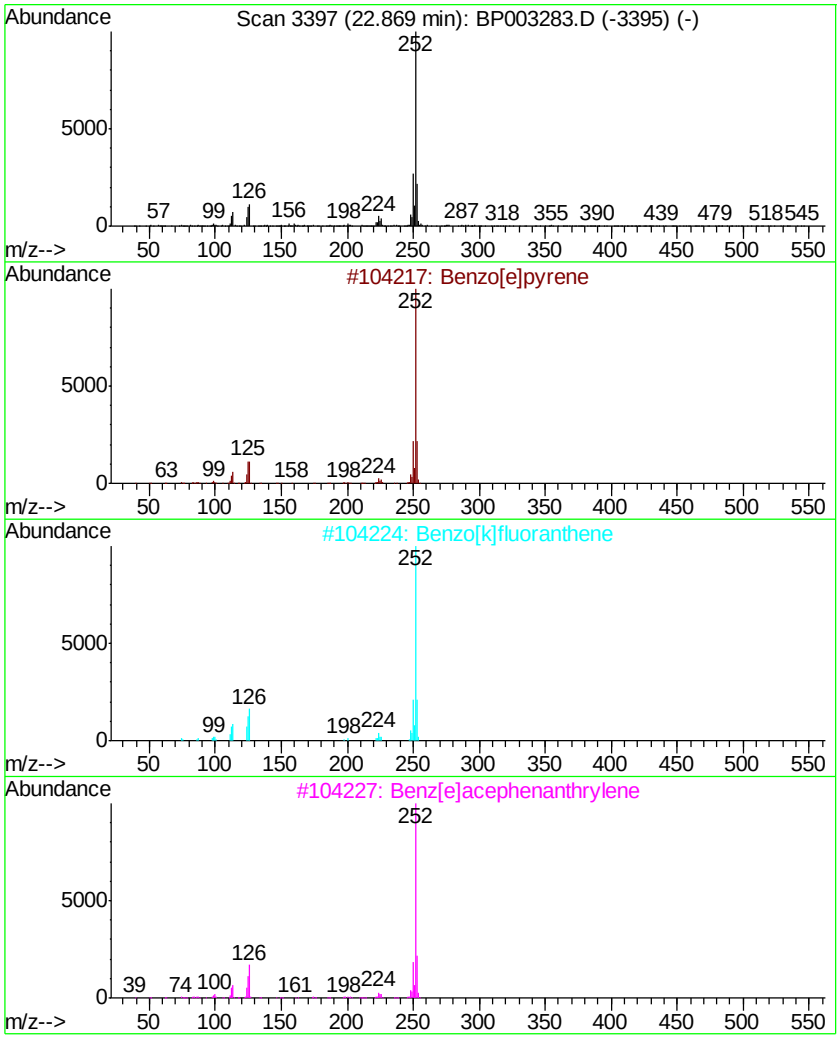
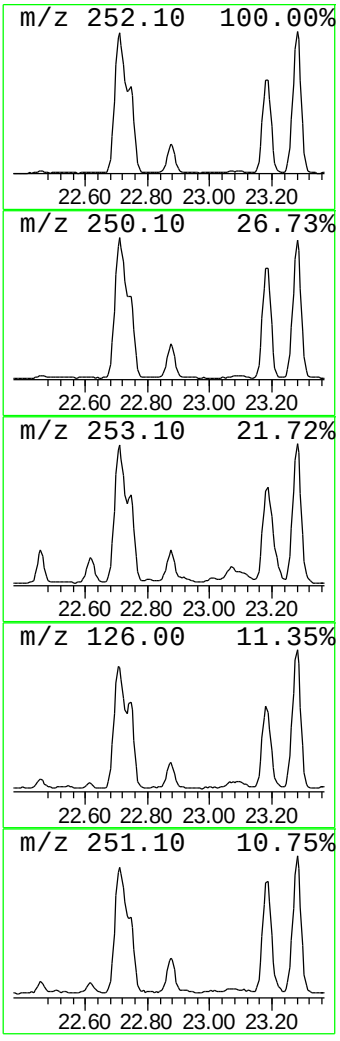
Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.87	6.91 ng	626764	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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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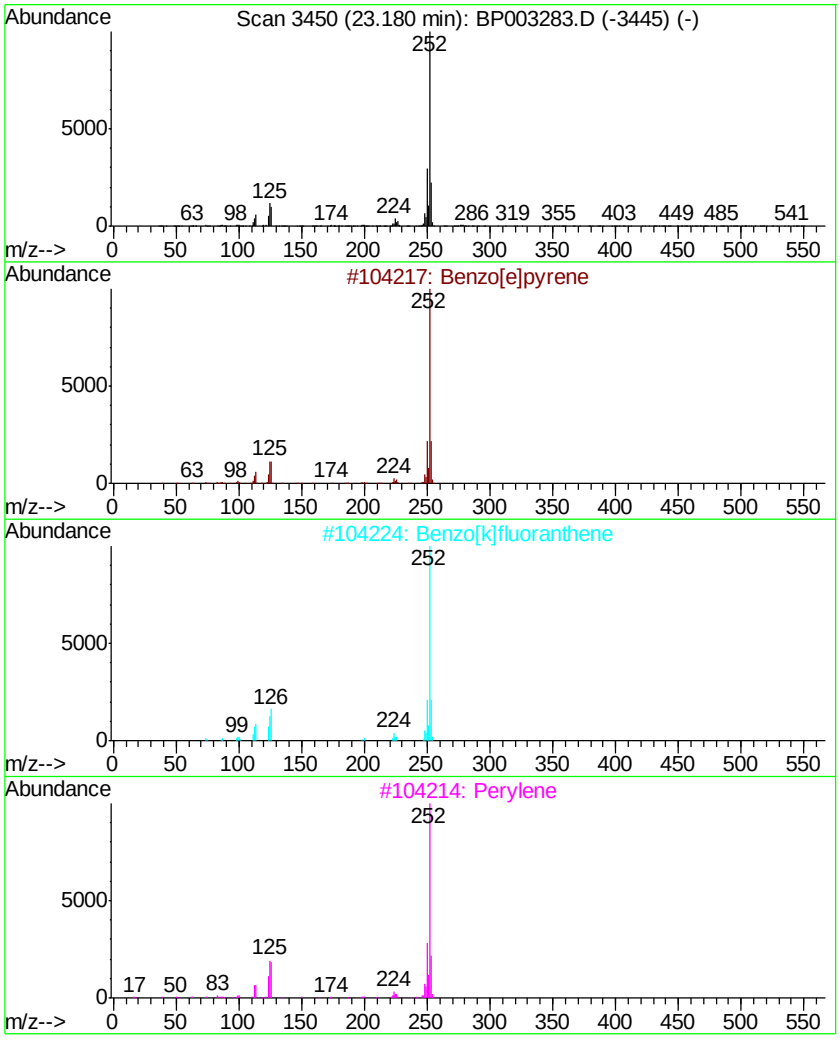
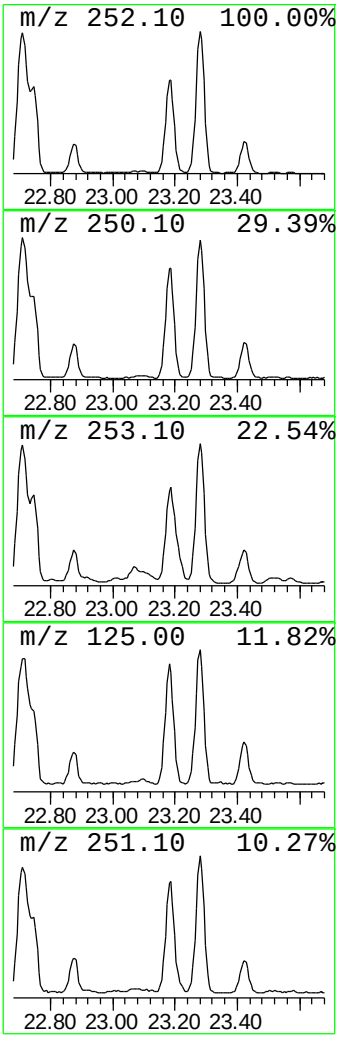
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	29.13 ng	2640750	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	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091420\
Data File : BP003283.D
Acq On : 14 Sep 2020 23:28
Operator : CG/JU
Sample : L3981-09 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B19-7-9

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
(1S)-2,6,6-Trimet...	6.35	17.7	ng	842649	1	7.64	953713	20.0
D-Limonene	7.87	3.5	ng	164568	1	7.64	953713	20.0
9H-Fluoren-9-one	16.70	4.2	ng	350771	4	17.04	1660390	20.0
Anthracene, 1,2,3...	16.80	3.7	ng	307786	4	17.04	1660390	20.0
Dibenzothiophene	16.86	4.9	ng	410155	4	17.04	1660390	20.0
Phenanthrene, 1-m...	17.92	13.1	ng	1084520	4	17.04	1660390	20.0
Phenanthrene, 2-m...	17.96	16.0	ng	1329470	4	17.04	1660390	20.0
4H-Cyclopenta[def...	18.10	20.4	ng	1692660	4	17.04	1660390	20.0
Anthracene, 2-met...	18.14	8.3	ng	686548	4	17.04	1660390	20.0
1,2,4,8-Tetrameth...	18.40	7.6	ng	631022	4	17.04	1660390	20.0
9,10-Anthracenedione	18.45	11.0	ng	912526	4	17.04	1660390	20.0
Phenanthrene, 4,5...	18.65	4.0	ng	328241	4	17.04	1660390	20.0
Phenanthrene, 2,5...	18.82	8.0	ng	660684	4	17.04	1660390	20.0
unknown18.87	18.87	5.3	ng	442067	4	17.04	1660390	20.0
Cyclopenta(def)ph...	18.95	9.0	ng	750255	4	17.04	1660390	20.0
Pyrene, 1-methyl-	19.74	3.8	ng	1062970	5	21.14	5610720	20.0
Benzo[b]naphtho[2...	20.79	3.7	ng	1026240	5	21.14	5610720	20.0
Benzo[e]pyrene	22.87	6.9	ng	626764	6	23.37	1813080	20.0
Perylene	23.18	29.1	ng	2640750	6	23.37	1813080	20.0