LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

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-BP073020.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	2.952	7	11	26	rVB	1450017	1750810	8.49%	0.522%
2	5.293	402	409	421	rBV	3304432	4758070	23.06%	1.417%
3	6.864	665	676	693	rBV	3066529	4864895	23.58%	1.449%
4	7.681	808	815	825	rBV	1312607	2039001	9.88%	0.607%
5	8.828	1002	1010	1023	rBV	2063066	3416233	16.56%	1.018%
6	10.463	1280	1288	1294	rBV	1753485	2923935	14.17%	0.871%
7	12.946	1702	1710	1727	rVB	5226786	8119990	39.36%	2.419%
8	13.781	1845	1852	1861	rVB	547913	794202	3.85%	0.237%
9	14.322	1936	1944	1950	rBV	2602310	3828233	18.56%	1.140%
10	14.387	1950	1955	1964	rVB	393028	602252	2.92%	0.179%
11	15.369	2117	2122	2134	rVB	209574	321820	1.56%	0.096%
12	15.810	2191	2197	2205	rBV	4109879	6011382	29.14%	1.791%
13	16.469	2305	2309	2318	rBV	271795	444576	2.15%	0.132%
14	16.892	2376	2381	2386	rVB	316520	493209	2.39%	0.147%
15	17.075	2406	2412	2415	rBV	2678785	3952530	19.16%	1.177%
16	17.116	2415	2419	2425	rVV	7384327	10456275	50.68%	3.115%
17	17.204	2425	2434	2440	rVV	2481947	3656366	17.72%	1.089%
18	17.269	2440	2445	2451	rVB	276146	461192	2.24%	0.137%
19	17.475	2470	2480	2486	rBV2	1758297	2978272	14.44%	0.887%
20	17.804	2530	2536	2543	rVB2	172420	330684	1.60%	0.099%
21	17.945	2551	2560	2564	rBV	1578764	2611678	12.66%	0.778%
22	17.992	2564	2568	2576	rVV	3770963	5427296	26.31%	1.617%
23	18.069	2576	2581	2586	rVV	923192	1387124	6.72%	0.413%
24	18.134	2586	2592	2596	rVV2	2445080	4092666	19.84%	1.219%
25	18.169	2596	2598	2603	rVB	962822	1153659	5.59%	0.344%
26	18.281	2613	2617	2622	rBV2	439615	655220	3.18%	0.195%
27	18.433	2639	2643	2646	rVV	1033821	1354224	6.56%	0.403%
28	18.469	2646	2649	2660	rVB2	476537	761312	3.69%	0.227%
29	18.675	2680	2684	2688	rVB	446420	492892	2.39%	0.147%
30	18.722	2688	2692	2695	rBV	440102	501938	2.43%	0.150%
31	18.763	2695	2699	2702	rVB2	450172	587724	2.85%	0.175%
32	18.839	2706	2712	2717	rBV	1053347	1842605	8.93%	0.549%
33	18.898	2717	2722	2725	rBV3	548468	905159	4.39%	0.270%
34	18.928	2725	2727	2731	rVB	353514	413071	2.00%	0.123%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.975	2731	2735	2742	rVB3	583443	984552	4.77%	0.293%
36	19.098	2750	2756	2761	rBV	13070758	19650872	95.25%	5.854%
37	19.169	2764	2768	2770	rBV2	309401	396005	1.92%	0.118%
38	19.228	2775	2778	2783	rVB3	606397	685731	3.32%	0.204%
39	19.328	2791	2795	2799	rBV	458178	599865	2.91%	0.179%
40	19.445	2806	2815	2824	rBV3	10184751	20631457	100.00%	6.146%
41	19.516	2824	2827	2834	rVB2	908498	1595417	7.73%	0.475%
42	19.622	2834	2845	2846	rBV2	1096093	1714320	8.31%	0.511%
43	19.651	2846	2850	2854	rVB	7010469	8169790	39.60%	2.434%
44	19.769	2863	2870	2875	rBV3	966756	2552522	12.37%	0.760%
45	19.810	2875	2877	2881	rVB	577710	614417	2.98%	0.183%
46	19.898	2881	2892	2893	rBV5	1032700	2201029	10.67%	0.656%
47	19.933	2893	2898	2902	rVB	4424412	6219623	30.15%	1.853%
48	20.028	2909	2914	2918	rBV	4197754	5412210	26.23%	1.612%
49	20.080	2918	2923	2927	rVV2	1949128	3127842	15.16%	0.932%
50	20.122	2927	2930	2934	rVB	882758	1043785	5.06%	0.311%
51	20.163	2934	2937	2941	rVB2	436751	539057	2.61%	0.161%
52	20.216	2943	2946	2950	rBV	875819	1088388	5.28%	0.324%
53	20.263	2950	2954	2959	rBV2	1208044	1832386	8.88%	0.546%
54	20.475	2986	2990	2992	rBV3	344904	505874	2.45%	0.151%
55	20.510	2992	2996	2999	rVV3	941214	1513977	7.34%	0.451%
56	20.539	2999	3001	3005	rVV2	848894	1159612	5.62%	0.345%
57	20.575	3005	3007	3011	rVB3	320397	325067	1.58%	0.097%
58	20.622	3011	3015	3018	rBV3	1027089	1602431	7.77%	0.477%
59	20.663	3019	3022	3028	rVV2	1067134	1886061	9.14%	0.562%
60	20.716	3028	3031	3034	rVV3	334215	454671	2.20%	0.135%
61	20.751	3034	3037	3041	rVB	498160	557199	2.70%	0.166%
62	20.822	3042	3049	3052	rBV2	2366924	4054362	19.65%	1.208%
63	20.857	3052	3055	3059	rVV	1654335	2176304	10.55%	0.648%
64	20.904	3059	3063	3067	rVV3	3340668	5193687	25.17%	1.547%
65	20.945	3067	3070	3078	rVB3	1052430	1928165	9.35%	0.574%
66	21.057	3085	3089	3092	rBV	511495	723620	3.51%	0.216%
67	21.157	3097	3106	3111	rBV2	11007791	19790920	95.93%	5.895%
68	21.204	3111	3114	3124	rVB	8377131	11571936	56.09%	3.447%
69	21.286	3124	3128	3130	rBV2	710358	860599	4.17%	0.256%
70	21.322	3130	3134	3138	rBV	1758884	2390384	11.59%	0.712%
71	21.422	3148	3151	3155	rVB	1265319	1696508	8.22%	0.505%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

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-BP073020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.474	3155	3160	3165	rBV2	1642613	2618619	12.69%	0.780%
73	21.627	3181	3186	3189	rBV3	491498	1026447	4.98%	0.306%
74	21.657	3189	3191	3195	rVV	568455	663645	3.22%	0.198%
75	21.716	3195	3201	3205	rVB	2190515	3510458	17.02%	1.046%
76	21.786	3206	3213	3218	rBV2	2654941	5418800	26.26%	1.614%
77	21.869	3224	3227	3230	rVB2	813001	920397	4.46%	0.274%
78	21.916	3231	3235	3237	rVV	950974	1354428	6.56%	0.403%
79	21.945	3237	3240	3247	rVB3	1473894	2150897	10.43%	0.641%
80	22.010	3247	3251	3257	rVB2	889538	1405048	6.81%	0.419%
81	22.186	3277	3281	3284	rBV2	596845	1031192	5.00%	0.307%
82	22.316	3300	3303	3307	rBV	497749	627702	3.04%	0.187%
83	22.474	3326	3330	3343	rVB4	1332745	2846524	13.80%	0.848%
84	22.751	3369	3377	3382	rBV2	6791909	18973943	91.97%	5.652%
85	22.910	3399	3404	3415	rVB	1400841	2660717	12.90%	0.793%
86	23.045	3422	3427	3436	rBV5	619959	1908427	9.25%	0.568%
87	23.221	3451	3457	3466	rVB	3911586	7835803	37.98%	2.334%
88	23.321	3467	3474	3482	rVB	5723934	10670361	51.72%	3.179%
89	23.416	3483	3490	3495	rBV2	2478644	5385209	26.10%	1.604%
90	23.463	3495	3498	3507	rVB2	1707005	3541065	17.16%	1.055%
91	23.663	3527	3532	3539	rBV3	856725	2165733	10.50%	0.645%
92	24.010	3587	3591	3598	rVB	1506943	3070033	14.88%	0.915%
93	24.092	3599	3605	3612	rBV2	1718665	3800961	18.42%	1.132%
94	24.298	3635	3640	3646	rBV2	448354	869195	4.21%	0.259%
95	24.745	3712	3716	3730	rVB9	704007	1930690	9.36%	0.575%
96	25.233	3794	3799	3813	rVB5	777902	2106964	10.21%	0.628%
97	25.704	3869	3879	3890	rVB	3173743	10224566	49.56%	3.046%
98	25.821	3892	3899	3910	rBV3	823209	3044468	14.76%	0.907%
99	26.410	3989	3999	4015	rVB	1857575	5924293	28.71%	1.765%
100	26.562	4017	4025	4045	rVB10	1696190	6172525	29.92%	1.839%

Sum of corrected areas: 335700250

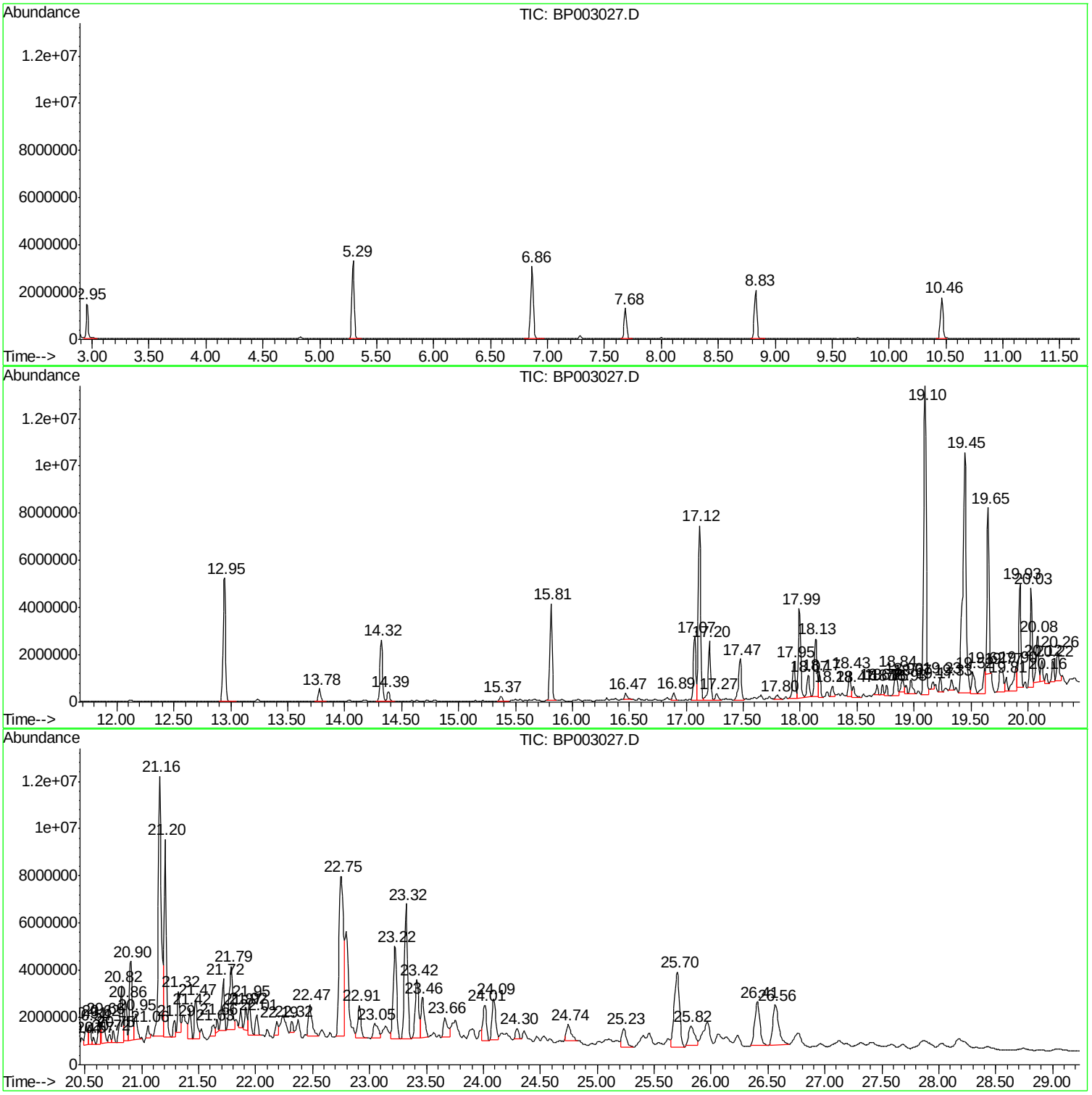
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

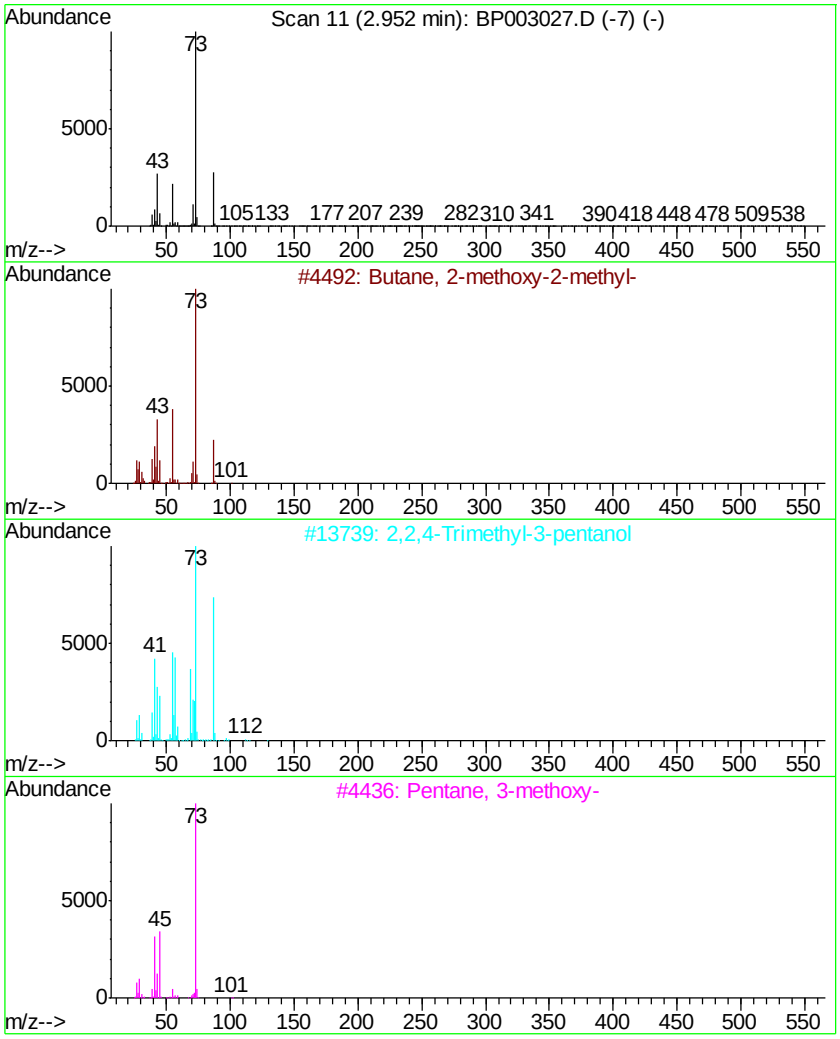
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

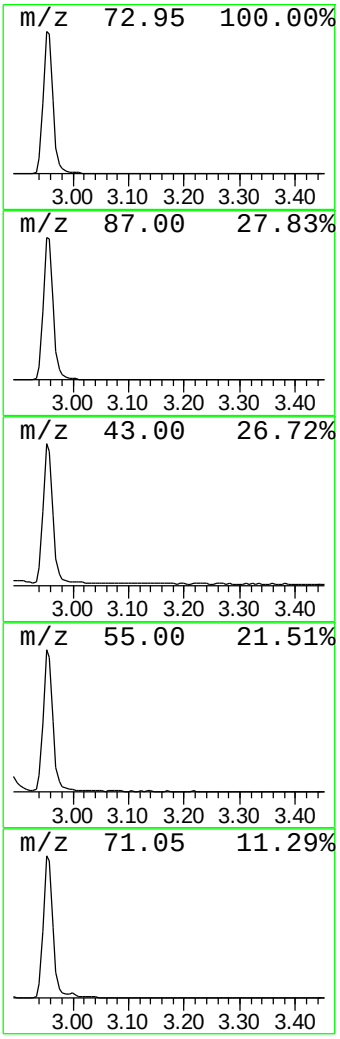
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	17.17 ng	1750810	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

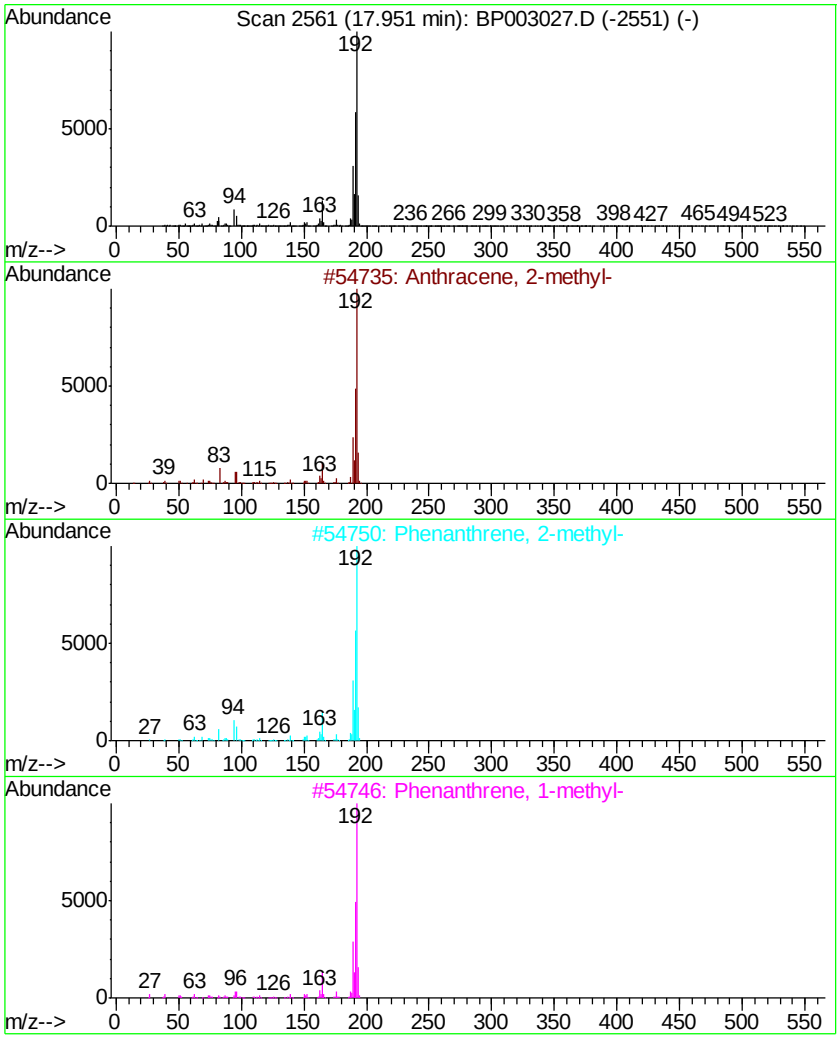
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

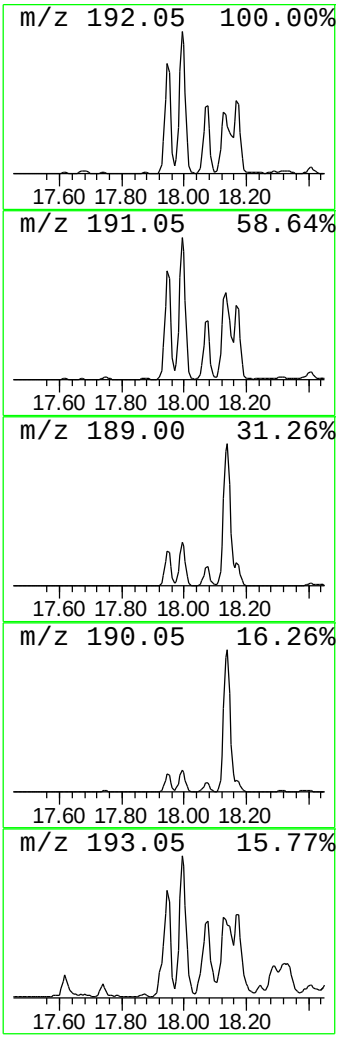
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	13.22 ng	2611680	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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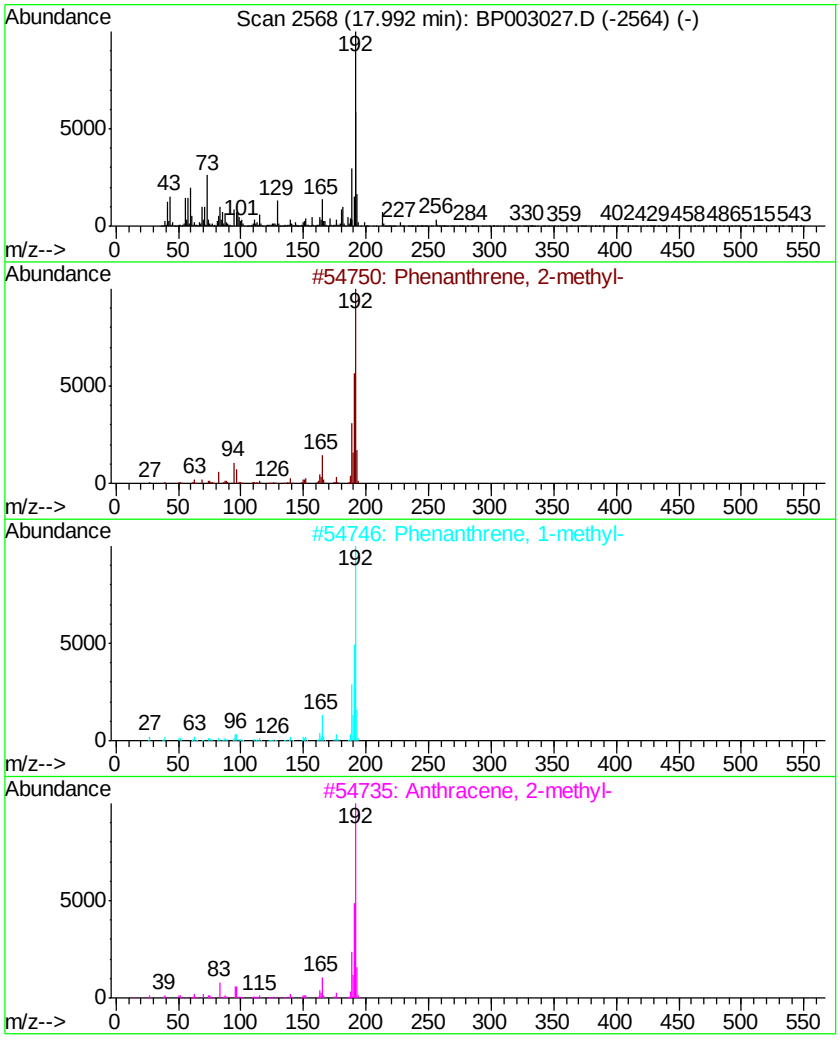
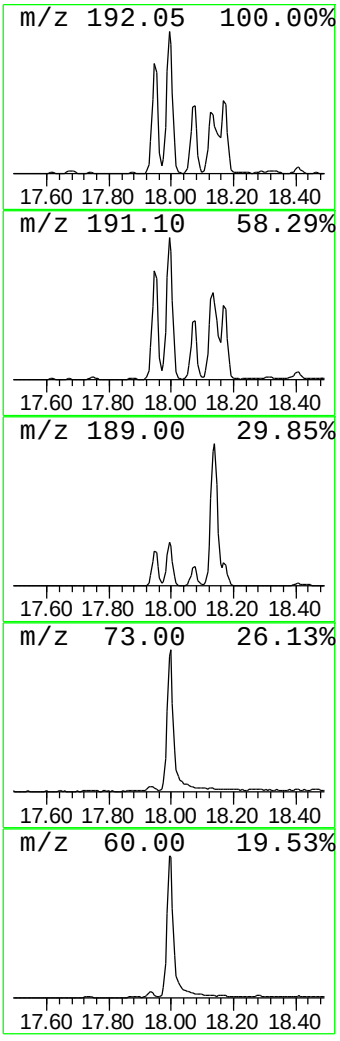
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	27.46 ng	5427300	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

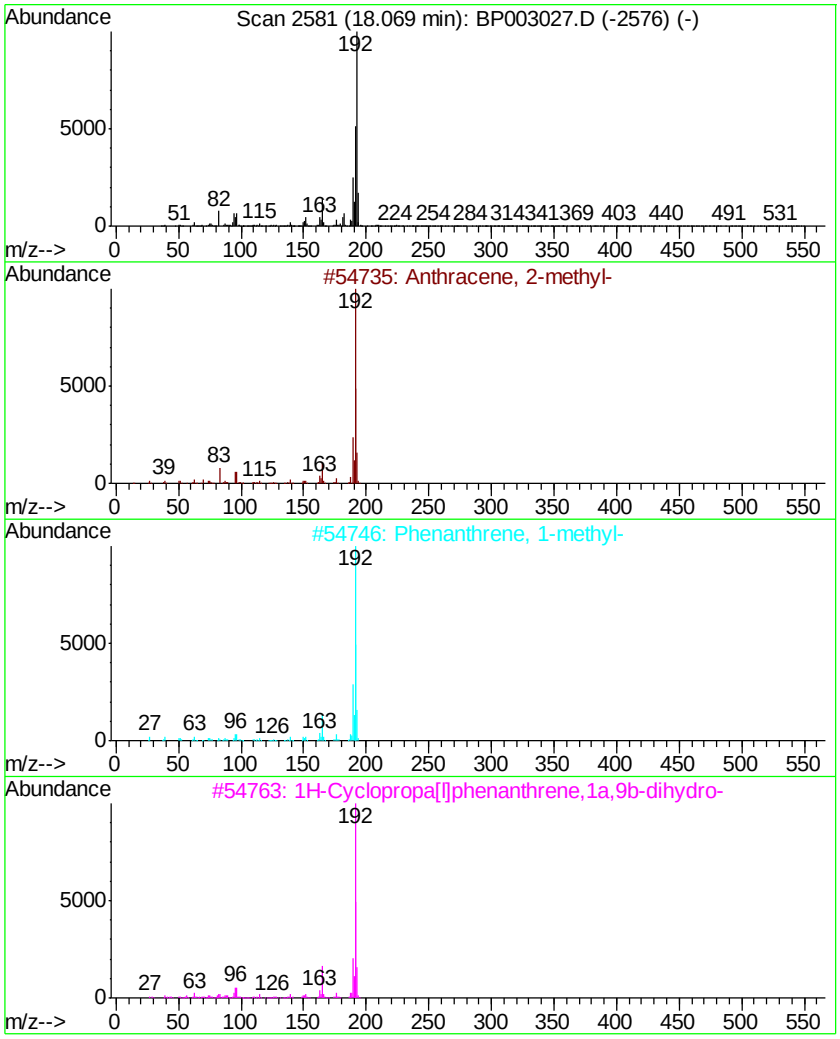
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

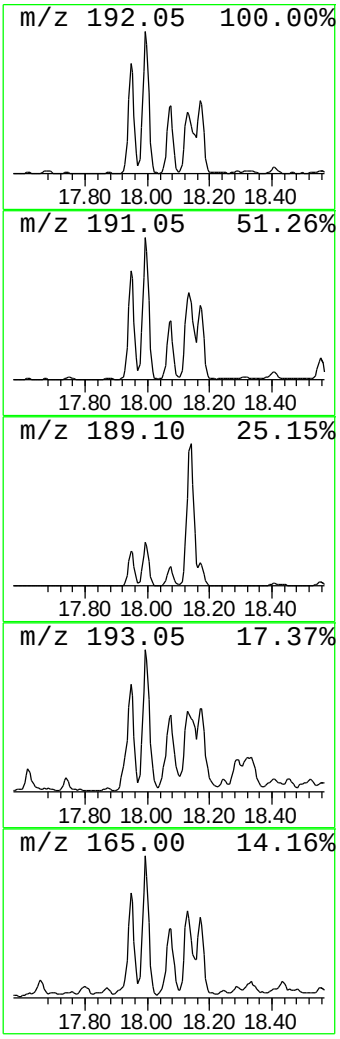
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	7.02 ng	1387120	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

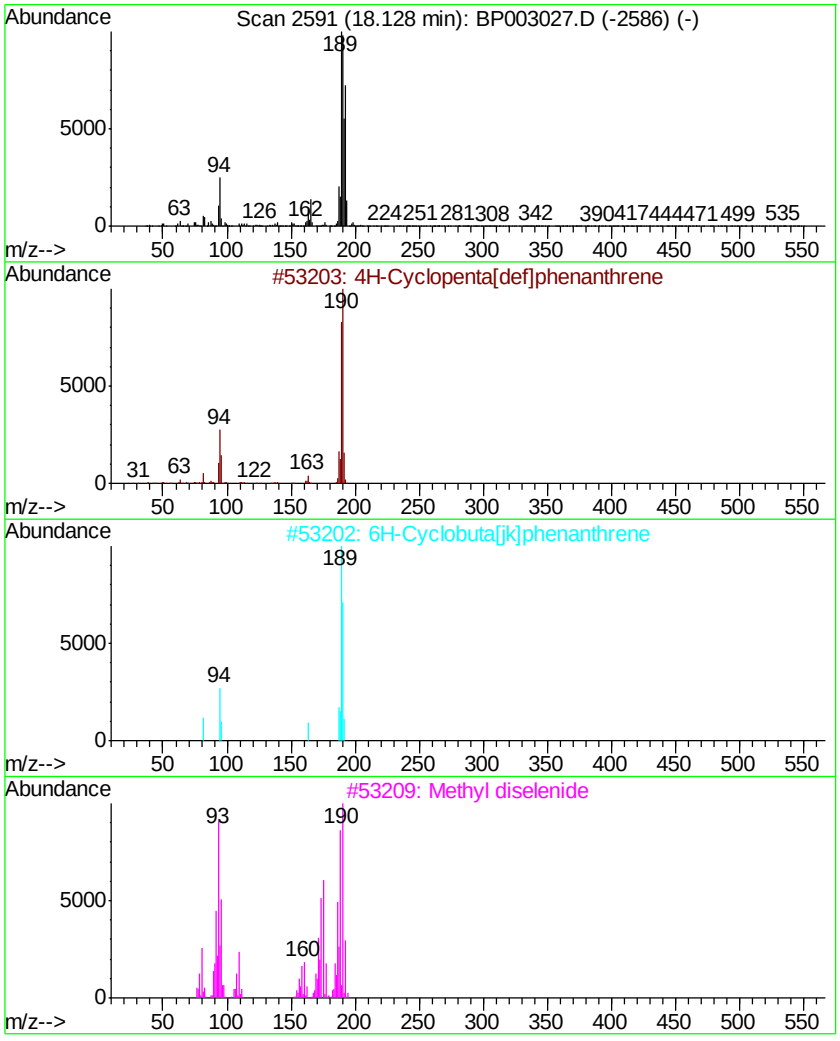
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

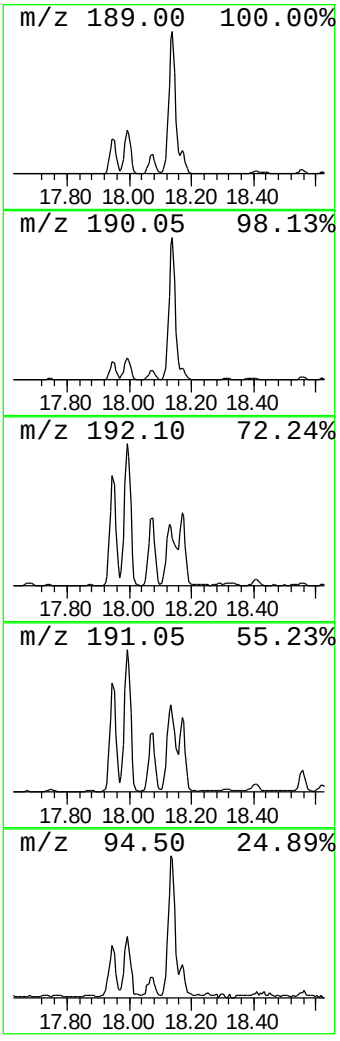
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	20.71 ng	4092670	Phenanthrene-d10	17.07

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	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Library Search Compound Report

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Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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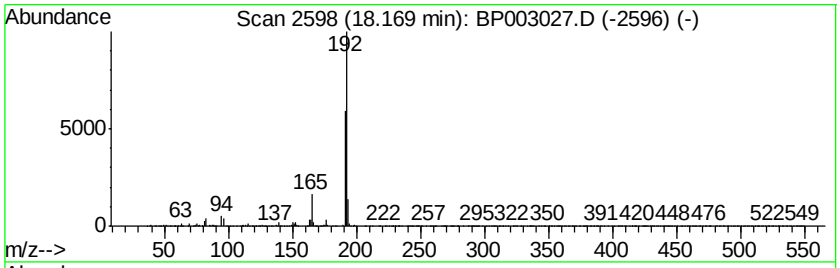
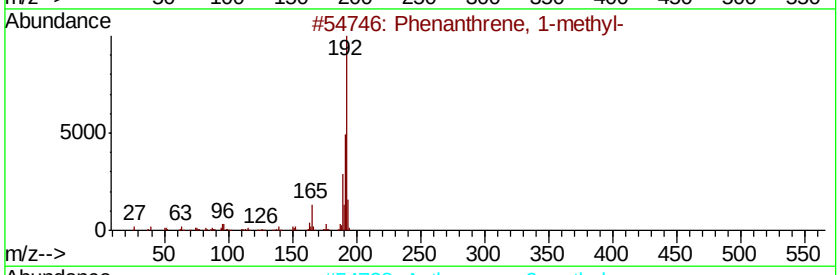
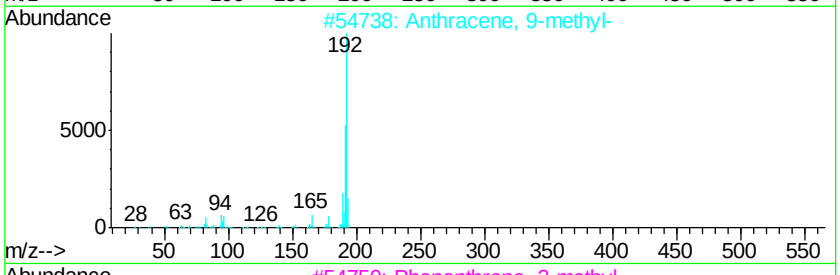
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 20

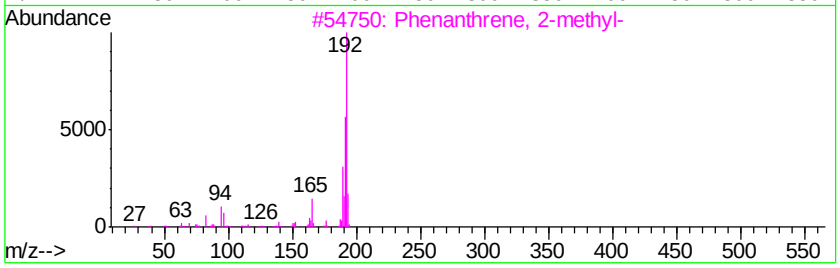
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	5.84 ng	1153660	Phenanthrene-d10	17.07

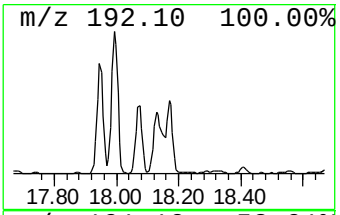
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91

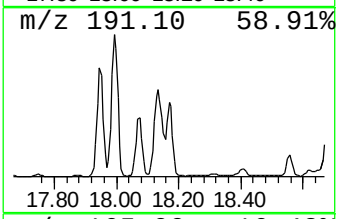


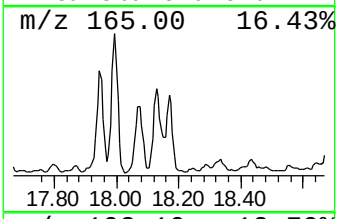


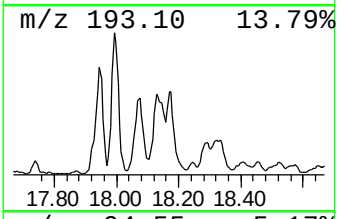


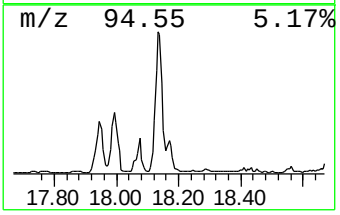












Library Search Compound Report

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Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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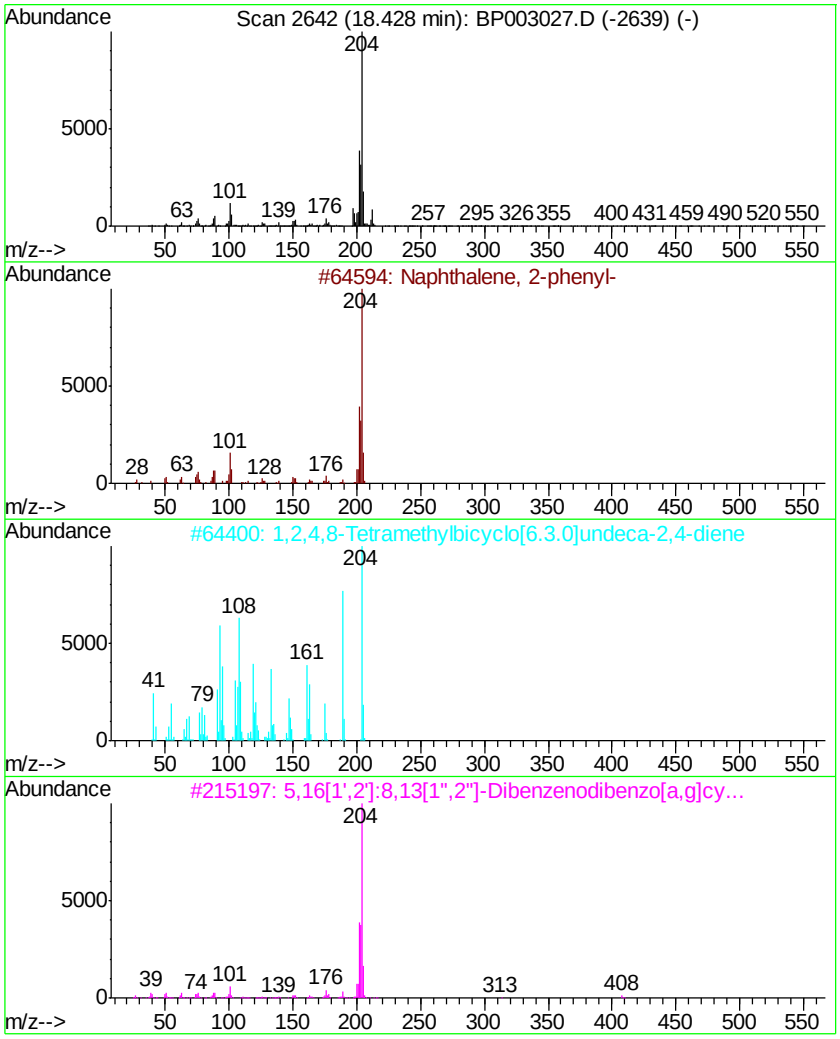
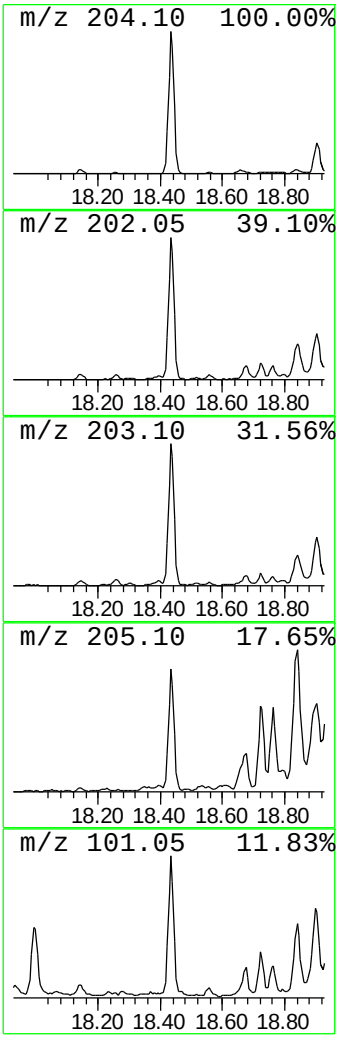
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	6.85 ng	1354220	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

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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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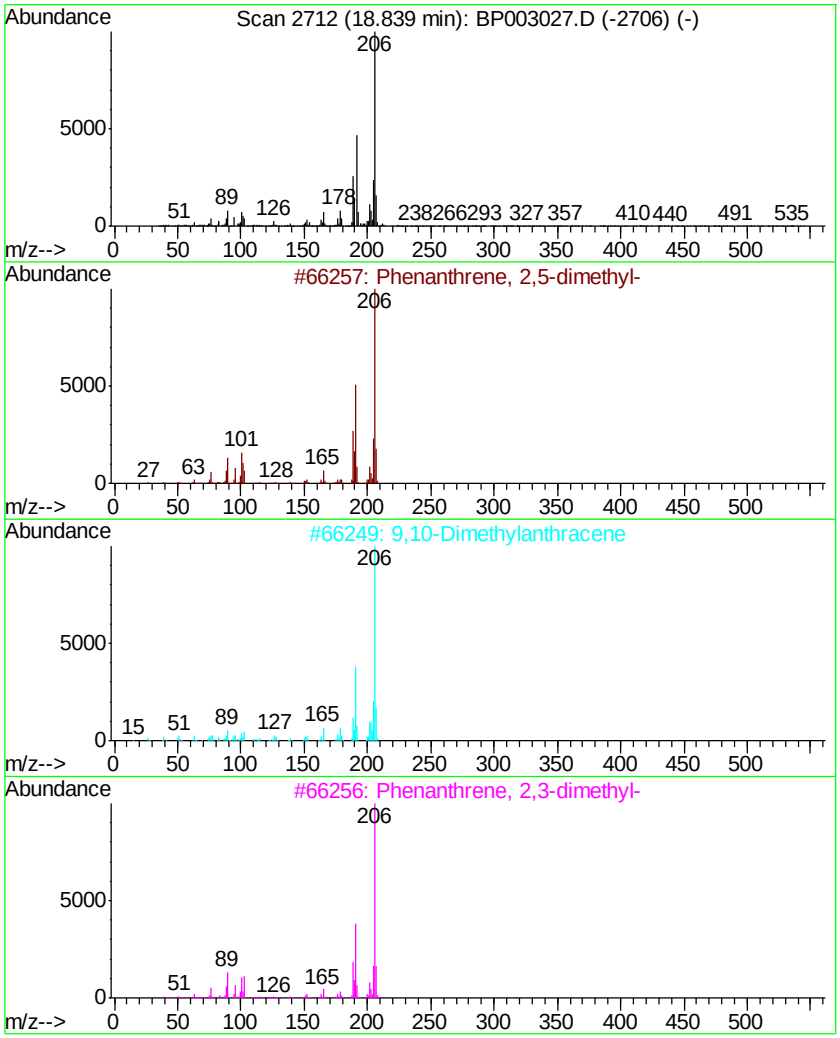
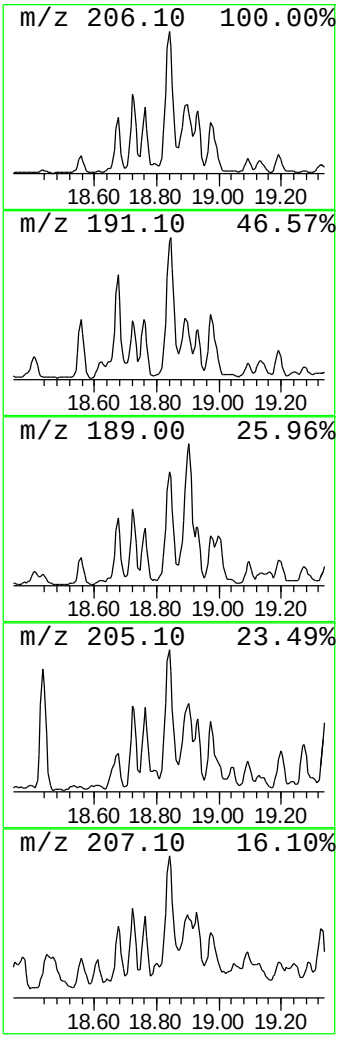
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	9.32 ng	1842610	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Library Search Compound Report

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Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

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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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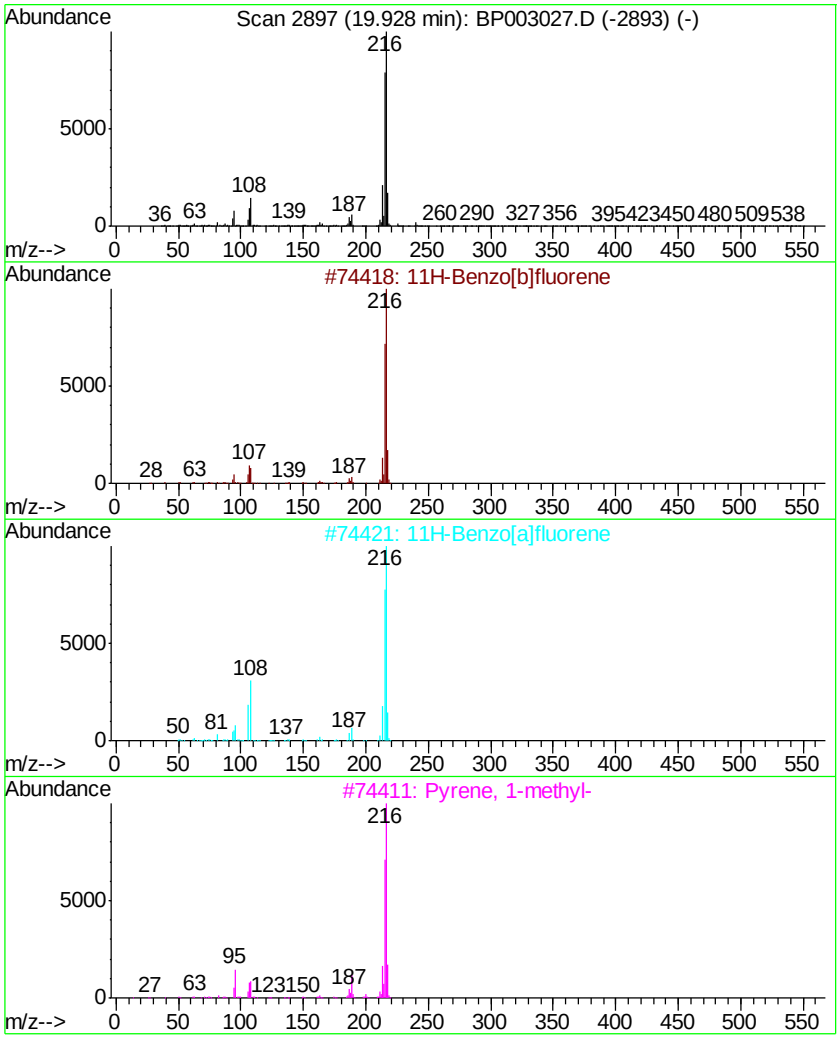
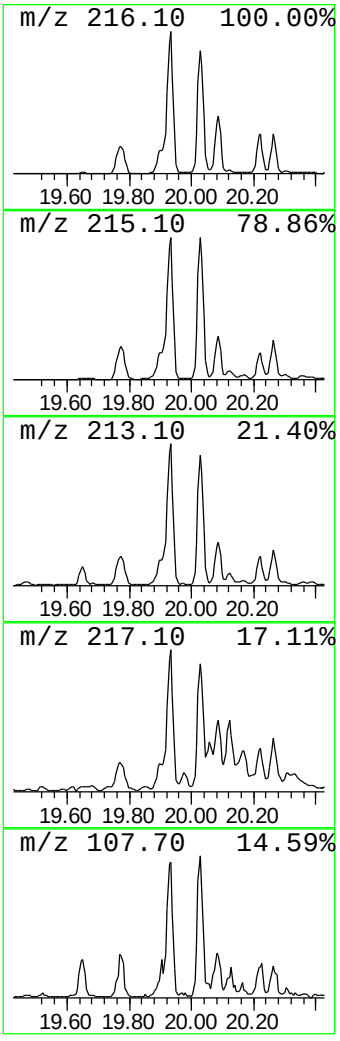
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	6.29 ng	6219620	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

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Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : S709-N-SO-0-0.5-081420

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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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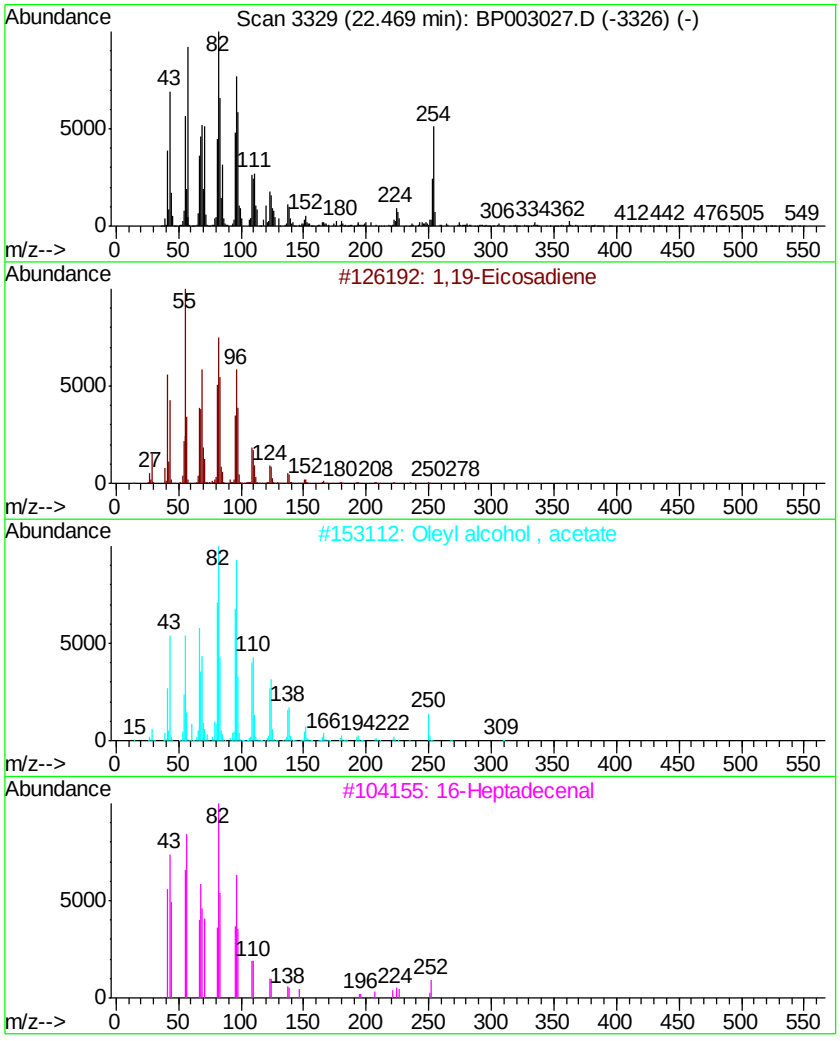
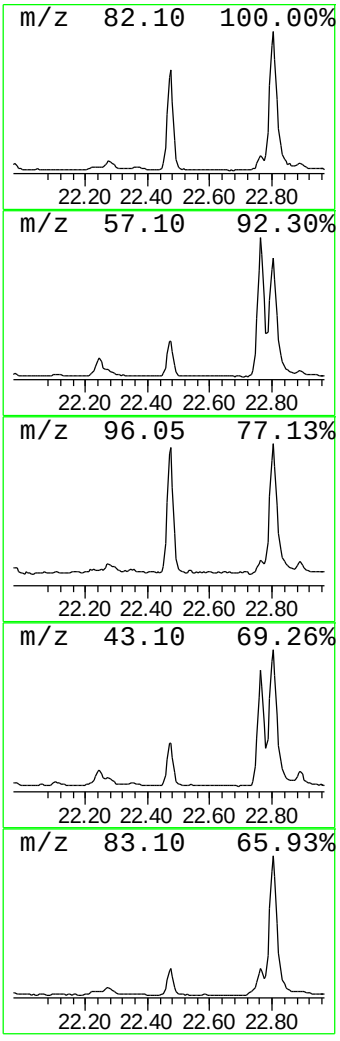
Peak Number 10 1,19-Eicosadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.47	10.57 ng	2846520	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	89
2	Oleyl alcohol , acetate	310	C20H38O2	1000352-67-9	87
3	16-Heptadecenal	252	C17H32O	1000144-57-9	83
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	76
5	Octadecanal	268	C18H36O	000638-66-4	76





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Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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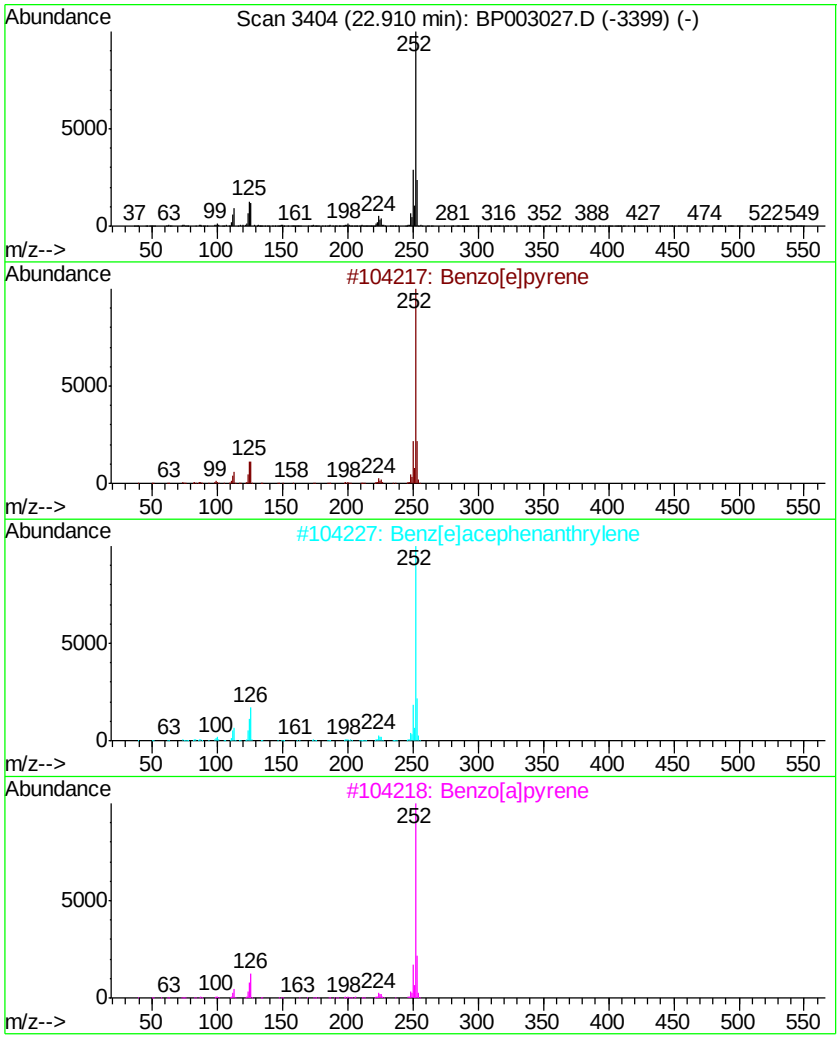
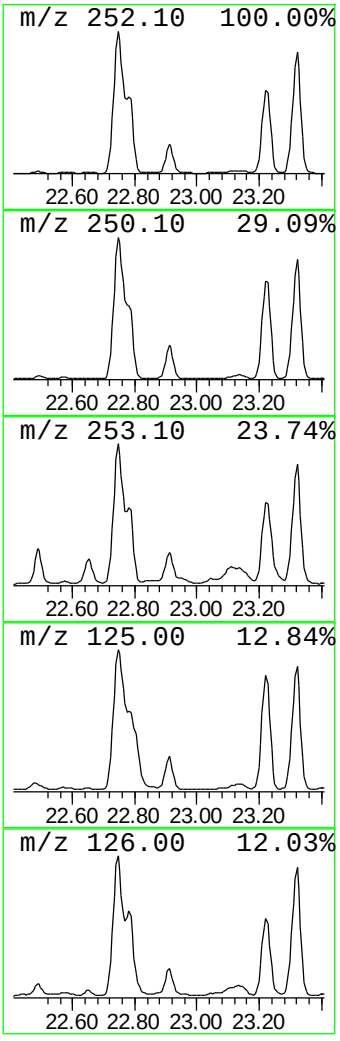
Peak Number 11 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.91	9.88 ng	2660720	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Acq On : 18 Aug 2020 20:48
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Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

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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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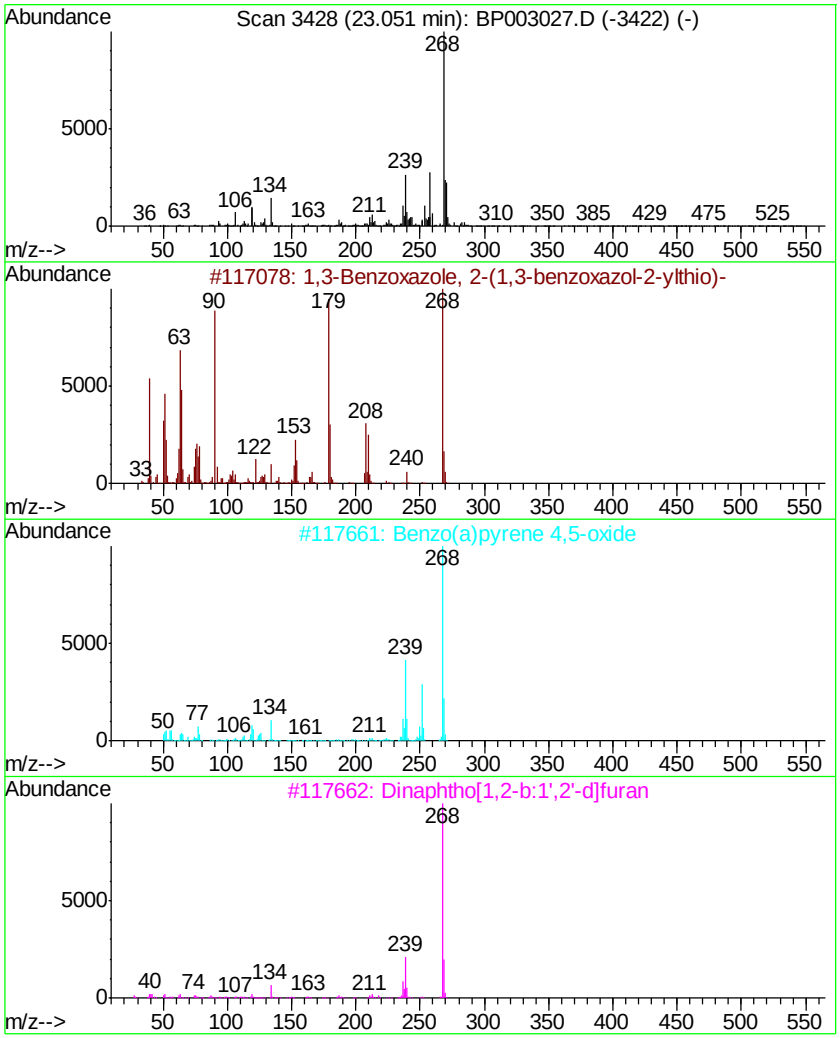
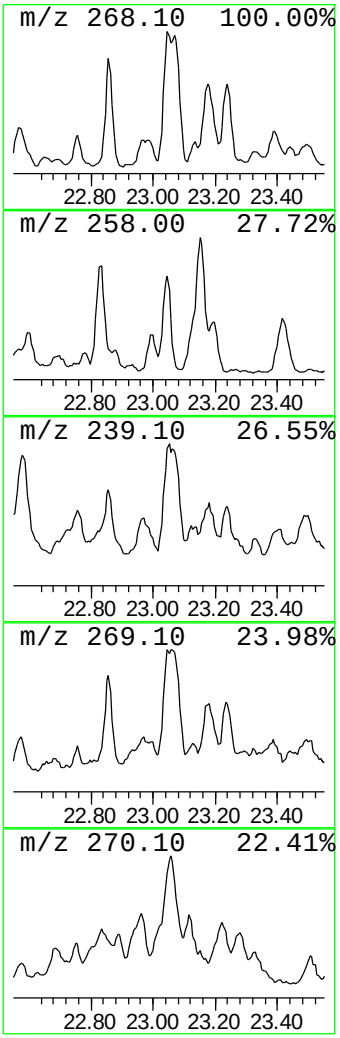
Peak Number 12 1,3-Benzoxazole, 2-(1,3-ben... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.05	7.09 ng	1908430	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzoxazole, 2-(1,3-benzoxaz...	268	C14H8N2O2S	1000327-61-1	87
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
5	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	55





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Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

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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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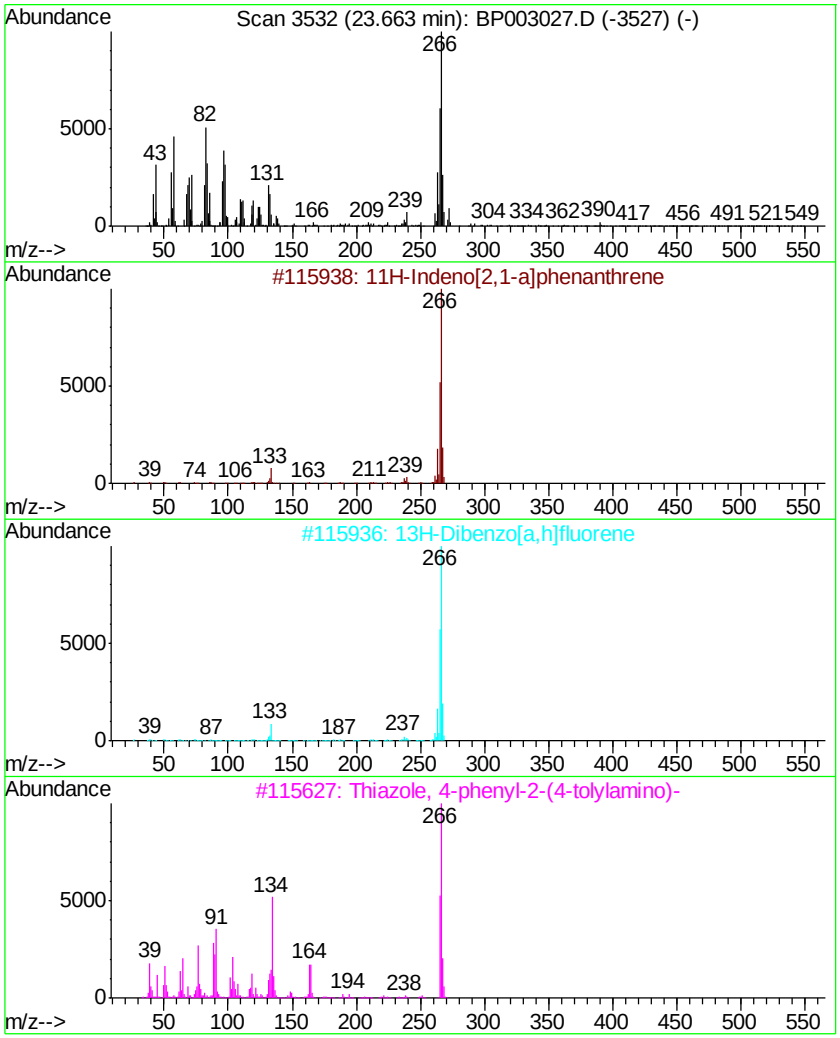
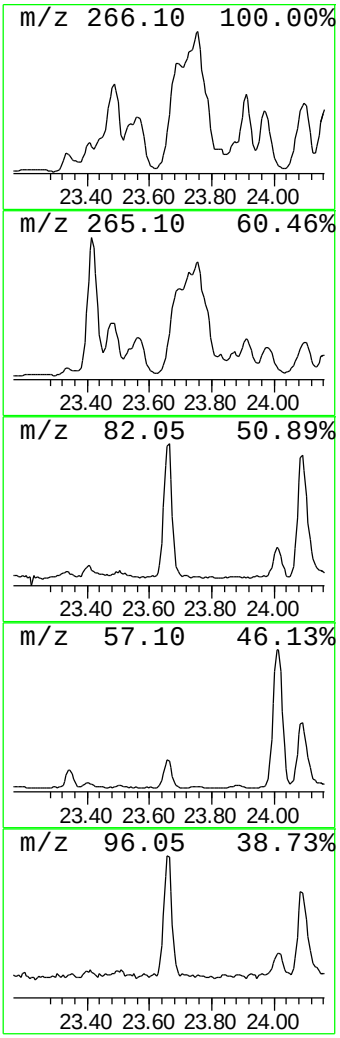
Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.66	8.04 ng	2165730	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	50
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	45
3	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	43
4	Perylene, 3-methyl-	266	C21H14	024471-47-4	41
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	38





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Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

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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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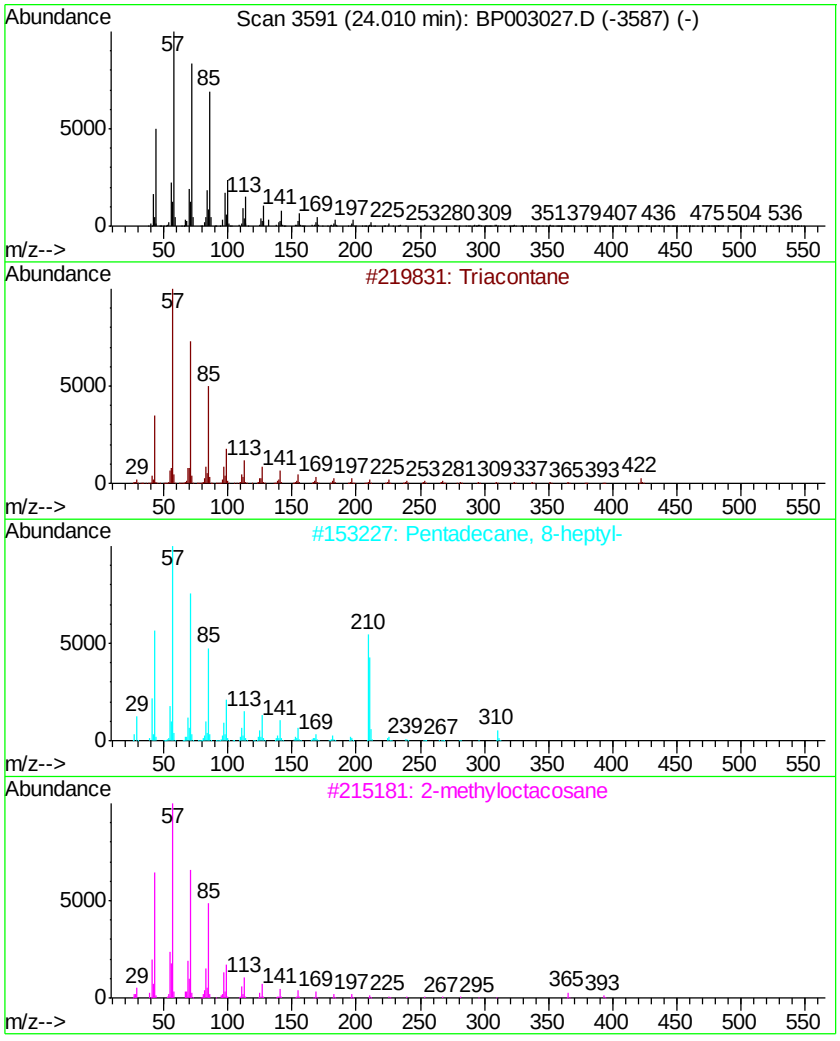
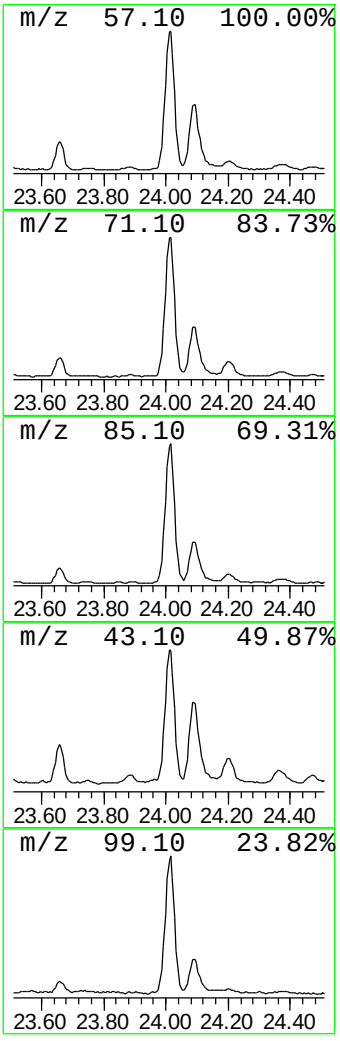
Peak Number 15 Triacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	11.40 ng	3070030	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	94
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Docosane	310	C22H46	000629-97-0	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

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Sample : L3700-09
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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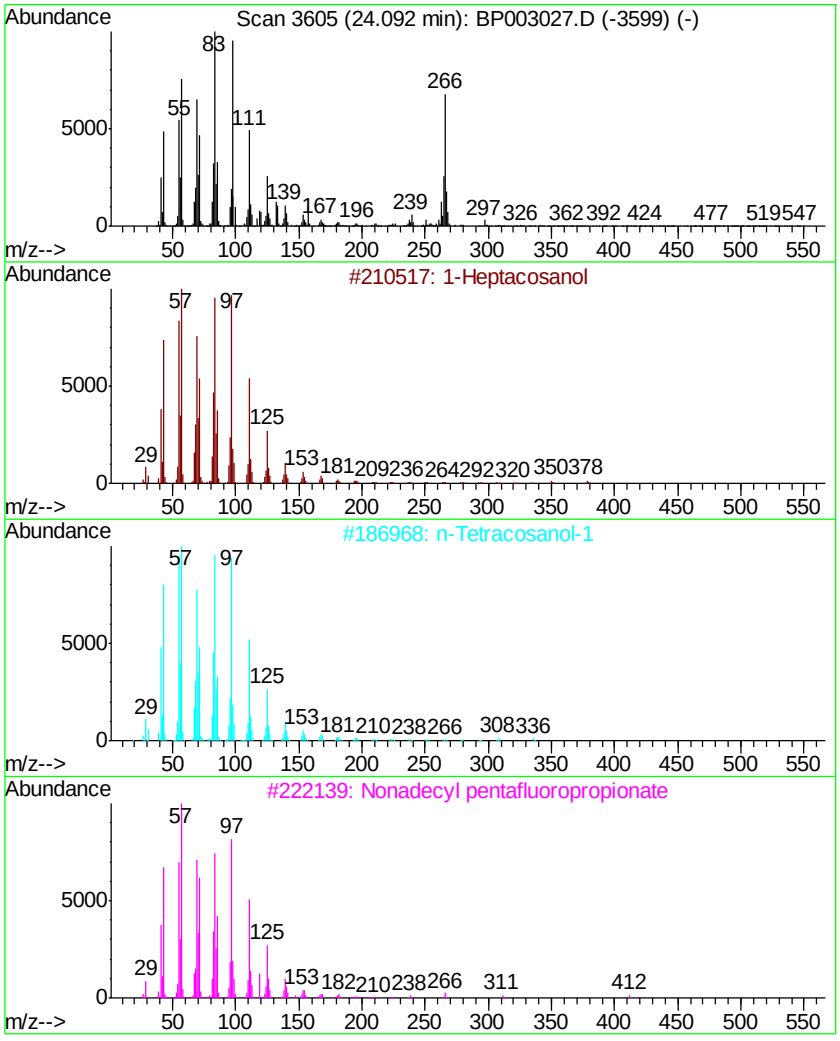
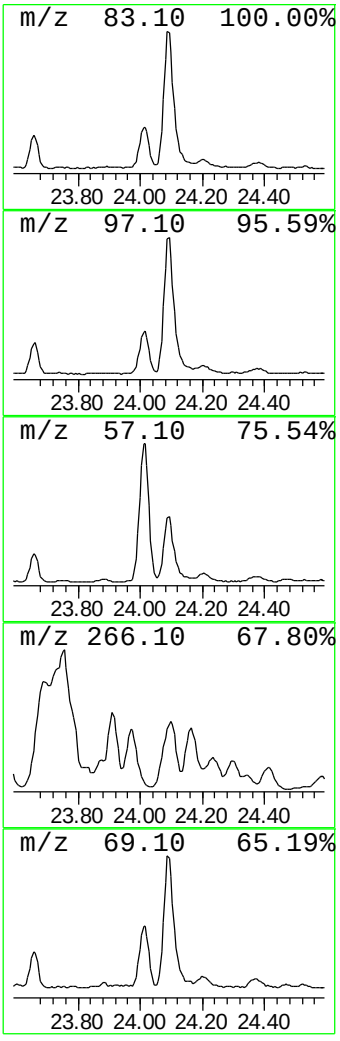
Peak Number 16 1-Heptacosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	14.12 ng	3800960	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	90
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	81
3	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	78
4	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	78
5	Nonadecyl heptafluorobutyrate	480	C23H39F7O2	1000351-83-9	70





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Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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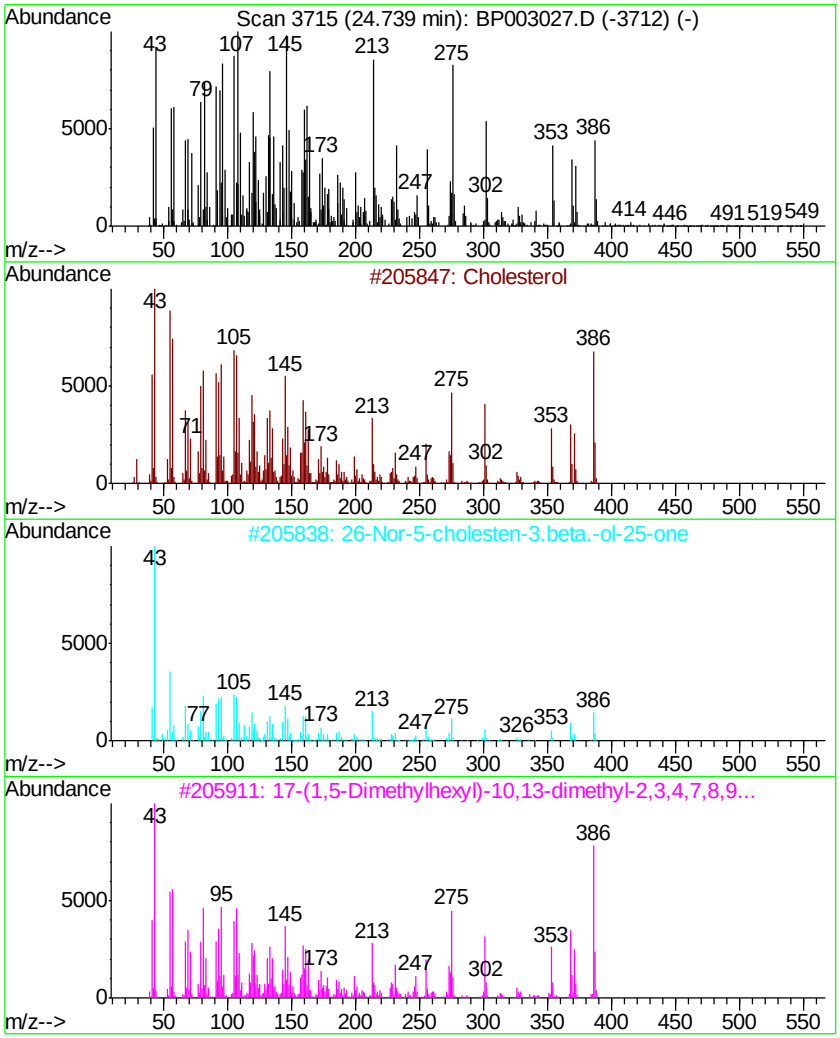
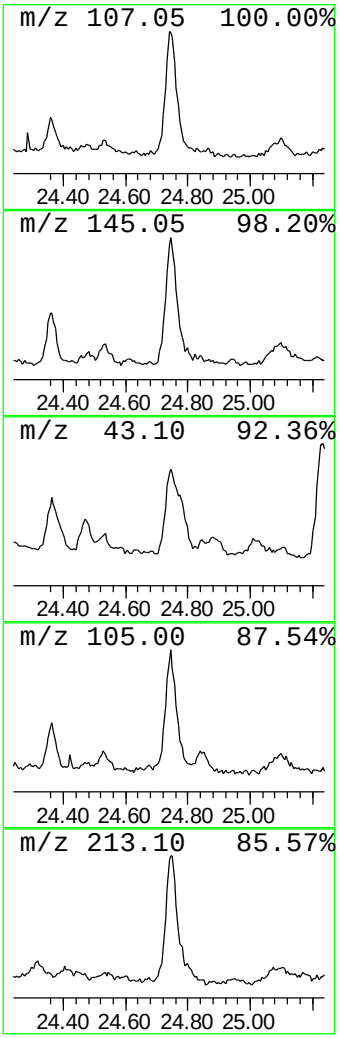
Peak Number 17 Cholesterol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.74	7.17 ng	1930690	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholesterol	386	C27H46O	000057-88-5	99
2	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	99
3	17-(1,5-Dimethylhexyl)-10,13-dim...	386	C27H46O	1000210-38-4	89
4	Cholest-8-en-3-ol, (3.beta.)-	386	C27H46O	007199-91-9	86
5	Cholest-7-en-3-ol, (3.beta.)-	386	C27H46O	006036-58-4	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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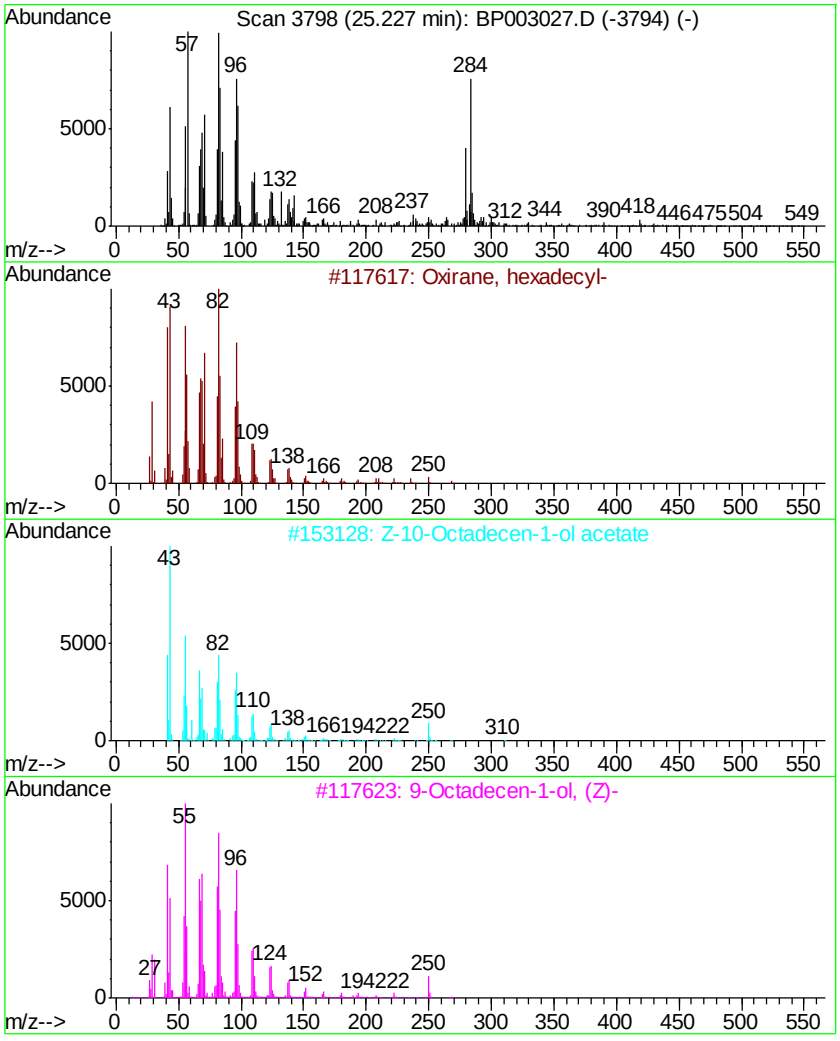
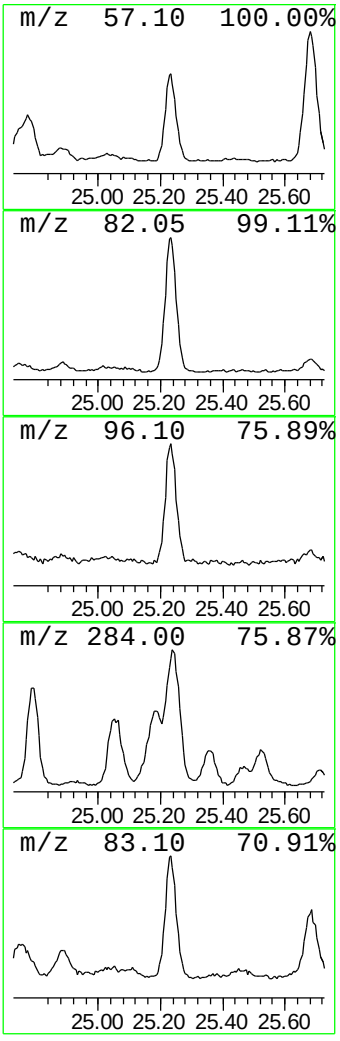
Peak Number 18 Oxirane, hexadecyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.23	7.83 ng	2106960	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	93
2	Z-10-Octadecen-1-ol acetate	310	C20H38O2	1000131-07-2	70
3	9-Octadecen-1-ol, (Z)-	268	C18H36O	000143-28-2	70
4	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	64
5	Octadecanal	268	C18H36O	000638-66-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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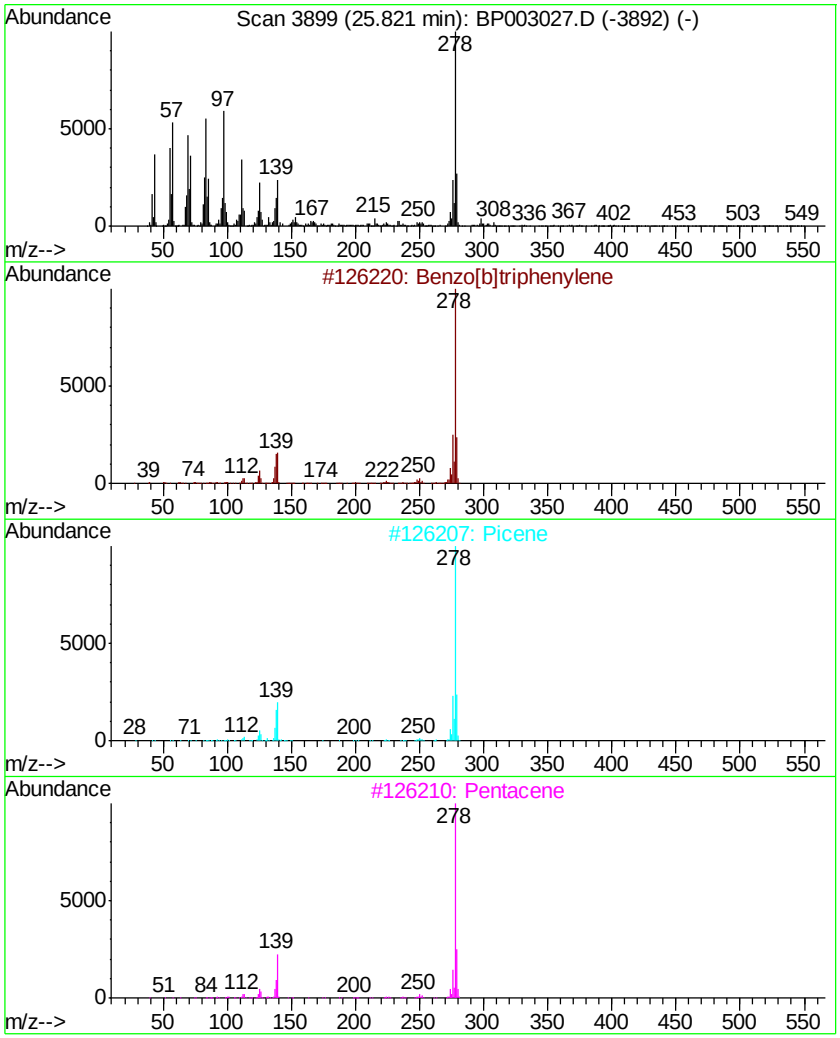
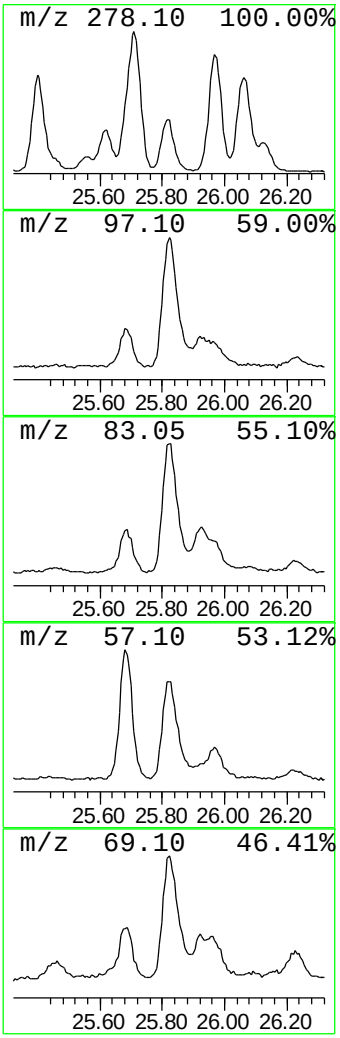
Peak Number 19 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.82	11.31 ng	3044470	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	80
2	Picene	278	C22H14	000213-46-7	55
3	Pentacene	278	C22H14	000135-48-8	50
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	47
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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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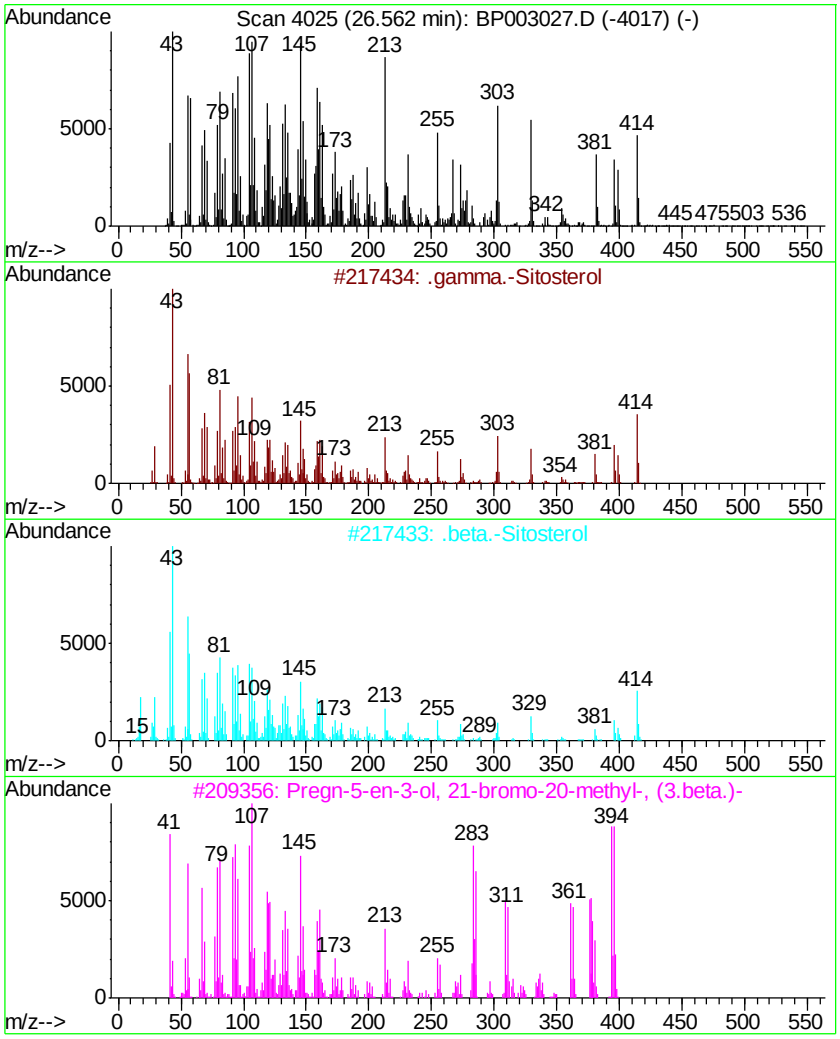
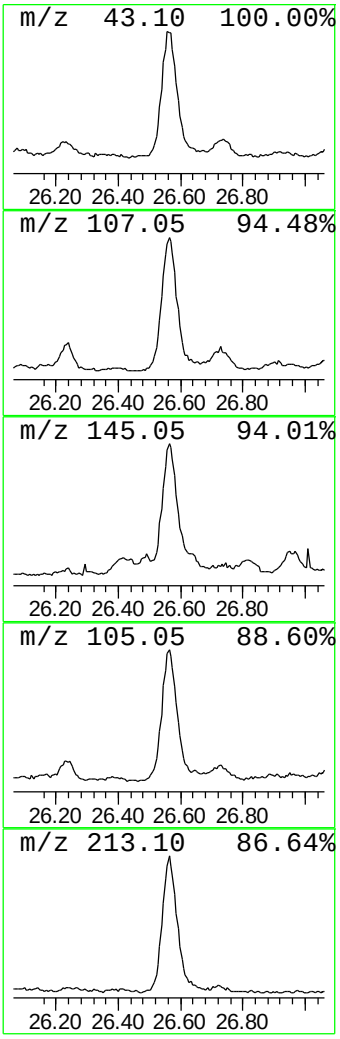
Peak Number 20 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.56	22.92 ng	6172530	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	93
3	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	92
4	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	30
5	Furan-2-carboxylic acid, (4-benz...	303	C19H13NO3	1000316-79-6	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
Operator : CG/JU
Sample : L3700-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S709-N-SO-0-0.5-081420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP073020.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...	2.95	17.2	ng	1750810	1	7.68	2039000	20.0
Anthracene, 2-met...	17.95	13.2	ng	2611680	4	17.07	3952530	20.0
Phenanthrene, 2-m...	17.99	27.5	ng	5427300	4	17.07	3952530	20.0
Phenanthrene, 1-m...	18.07	7.0	ng	1387120	4	17.07	3952530	20.0
4H-Cyclopenta[def...	18.13	20.7	ng	4092670	4	17.07	3952530	20.0
Anthracene, 9-met...	18.17	5.8	ng	1153660	4	17.07	3952530	20.0
Naphthalene, 2-ph...	18.43	6.8	ng	1354220	4	17.07	3952530	20.0
Phenanthrene, 2,5...	18.84	9.3	ng	1842610	4	17.07	3952530	20.0
11H-Benzo[b]fluorene	19.93	6.3	ng	6219620	5	21.17	19790900	20.0
1,19-Eicosadiene	22.47	10.6	ng	2846520	6	23.42	5385210	20.0
Benzo[e]pyrene	22.91	9.9	ng	2660720	6	23.42	5385210	20.0
1,3-Benzoxazole, ...	23.05	7.1	ng	1908430	6	23.42	5385210	20.0
11H-Indeno[2,1-a]...	23.66	8.0	ng	2165730	6	23.42	5385210	20.0
Triacontane	24.01	11.4	ng	3070030	6	23.42	5385210	20.0
1-Heptacosanol	24.09	14.1	ng	3800960	6	23.42	5385210	20.0
Cholesterol	24.74	7.2	ng	1930690	6	23.42	5385210	20.0
Oxirane, hexadecyl-	25.23	7.8	ng	2106960	6	23.42	5385210	20.0
Benzo[b]triphenylene	25.82	11.3	ng	3044470	6	23.42	5385210	20.0
.gamma.-Sitosterol	26.56	22.9	ng	6172530	6	23.42	5385210	20.0