LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002468.D
Acq On : 19 Jun 2020 20:33
Operator : CG/JU
Sample : L3035-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 1-SP-3-5

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-BP060520.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	5.204	387	394	406	rBV	2851854	4358909	43.64%	5.837%
2	6.775	653	661	677	rBV	2995263	4969164	49.74%	6.654%
3	7.587	791	799	809	rBV	799171	1251836	12.53%	1.676%
4	7.904	845	853	864	rBV	2600641	4196689	42.01%	5.619%
5	8.728	985	993	1007	rBV	2085389	3534742	35.38%	4.733%
6	10.357	1262	1270	1276	rBV	1068252	1785812	17.88%	2.391%
7	12.851	1687	1694	1712	rBV	4749525	7410250	74.18%	9.922%
8	13.692	1831	1837	1847	rBV	747810	1073428	10.75%	1.437%
9	14.063	1894	1900	1914	rVB	48297	107115	1.07%	0.143%
10	14.233	1922	1929	1935	rBV	1642764	2384007	23.87%	3.192%
11	14.292	1935	1939	1949	rVB	70153	112693	1.13%	0.151%
12	14.633	1992	1997	2004	rBV	77889	123279	1.23%	0.165%
13	15.286	2102	2108	2114	rBV2	87330	131641	1.32%	0.176%
14	15.733	2171	2184	2196	rBV	3645982	5577586	55.83%	7.468%
15	16.804	2359	2366	2371	rVB2	64858	103095	1.03%	0.138%
16	16.992	2391	2398	2401	rBV	1997740	2885177	28.88%	3.863%
17	17.033	2401	2405	2411	rVV	1146083	1621390	16.23%	2.171%
18	17.121	2415	2420	2426	rVB	380791	536289	5.37%	0.718%
19	17.868	2542	2547	2551	rBV	136482	189834	1.90%	0.254%
20	17.915	2551	2555	2563	rVV2	404519	630719	6.31%	0.845%
21	17.992	2564	2568	2573	rVV	126236	189410	1.90%	0.254%
22	18.057	2573	2579	2583	rVV2	204533	387061	3.87%	0.518%
23	18.092	2583	2585	2592	rVB	99799	118094	1.18%	0.158%
24	18.357	2626	2630	2633	rBV	126014	167718	1.68%	0.225%
25	18.762	2695	2699	2704	rBV2	101967	164178	1.64%	0.220%
26	18.827	2706	2710	2713	rVV2	72898	135000	1.35%	0.181%
27	18.892	2717	2721	2730	rVB2	115243	186097	1.86%	0.249%
28	19.015	2737	2742	2747	rBV	2171297	2824345	28.27%	3.782%
29	19.162	2764	2767	2771	rBV2	105640	133105	1.33%	0.178%
30	19.368	2793	2802	2809	rBV2	1781210	2808632	28.12%	3.761%
31	19.580	2829	2838	2849	rVB	7131896	9989425	100.00%	13.376%
32	19.698	2852	2858	2863	rBV3	106206	252923	2.53%	0.339%
33	19.821	2875	2879	2881	rBV3	93424	139638	1.40%	0.187%
34	19.857	2882	2885	2892	rVB2	149403	222001	2.22%	0.297%

LSC Area Percent Report

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Acq On : 19 Jun 2020 20:33
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Sample : L3035-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 1-SP-3-5

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-BP060520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.009	2906	2911	2916	rBV2	181164	277955	2.78%	0.372%
36	20.145	2931	2934	2938	rBV3	80118	106069	1.06%	0.142%
37	20.192	2938	2942	2946	rVV3	87403	128995	1.29%	0.173%
38	20.586	3005	3009	3017	rVB	149755	227586	2.28%	0.305%
39	20.786	3040	3043	3046	rVB	134002	132583	1.33%	0.178%
40	20.839	3046	3052	3056	rBV2	1256491	1621977	16.24%	2.172%
41	21.092	3088	3095	3099	rBV2	2439403	4233578	42.38%	5.669%
42	21.127	3099	3101	3110	rVB	779664	979451	9.80%	1.311%
43	21.398	3144	3147	3153	rBV2	88208	127753	1.28%	0.171%
44	22.633	3352	3357	3362	rBV	574284	1279069	12.80%	1.713%
45	22.798	3382	3385	3392	rVB	129285	202047	2.02%	0.271%
46	23.103	3432	3437	3444	rVB	337198	632725	6.33%	0.847%
47	23.192	3447	3452	3462	rBV	504089	939324	9.40%	1.258%
48	23.292	3463	3469	3474	rBV	1160479	2120115	21.22%	2.839%
49	23.950	3577	3581	3588	rVB3	145147	272800	2.73%	0.365%
50	25.497	3838	3844	3856	rVB2	267150	699229	7.00%	0.936%

Sum of corrected areas: 74682538

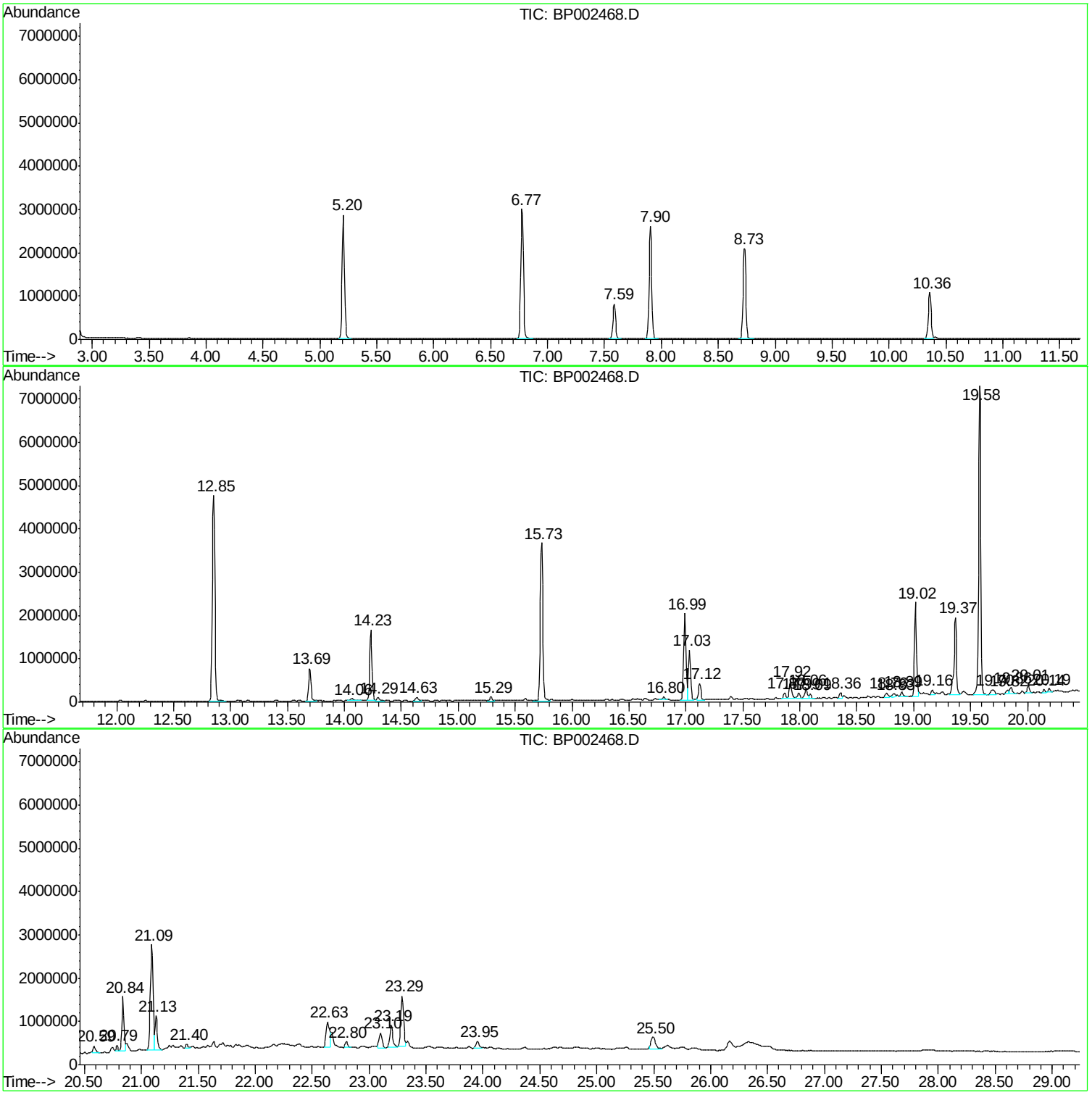
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002468.D
Acq On : 19 Jun 2020 20:33
Operator : CG/JU
Sample : L3035-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 1-SP-3-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP060520.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\BP061920\
Data File : BP002468.D
Acq On : 19 Jun 2020 20:33
Operator : CG/JU
Sample : L3035-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 1-SP-3-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP060520.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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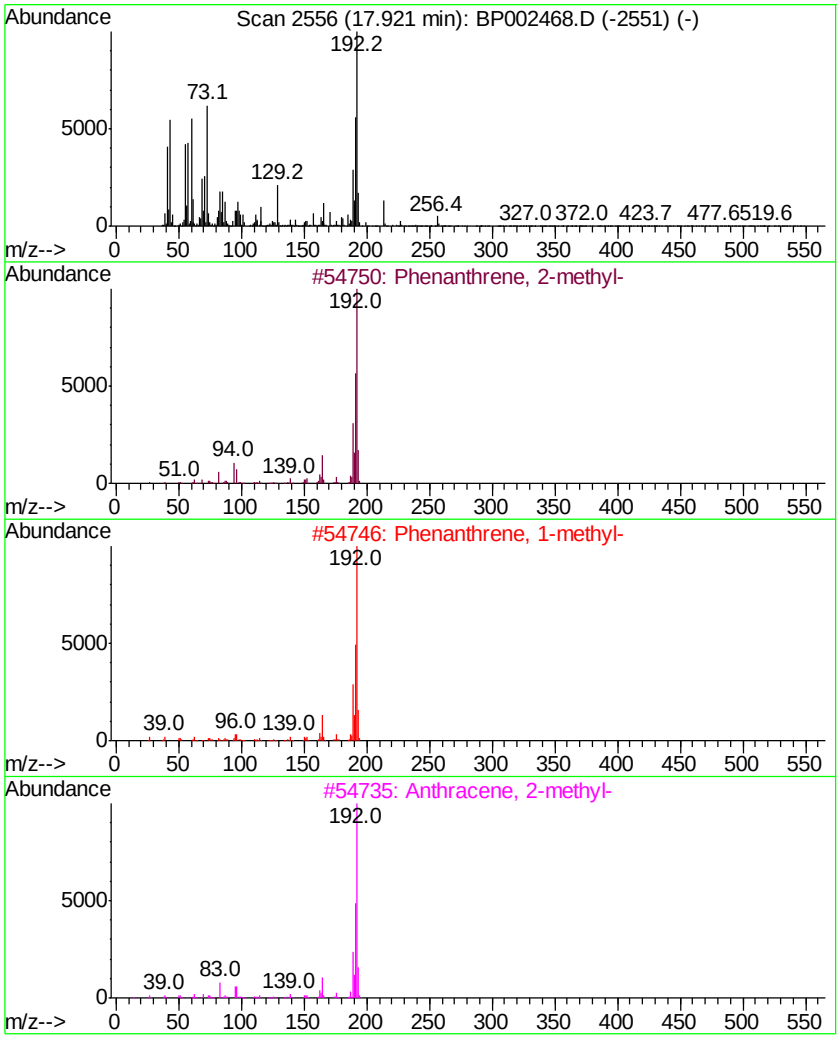
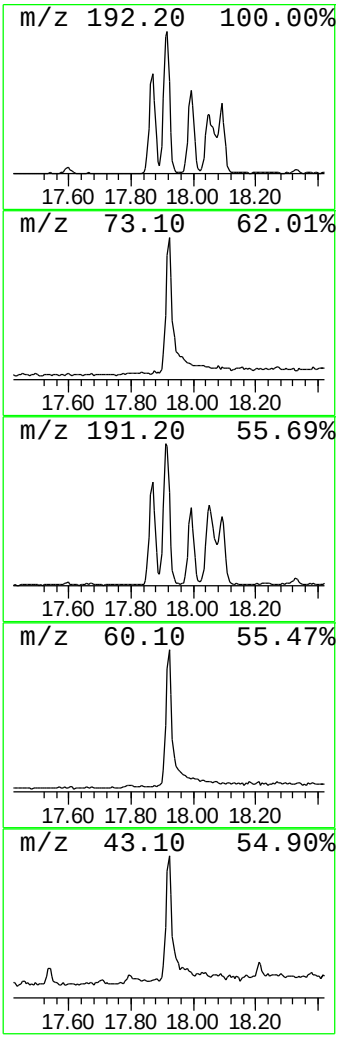
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	4.37 ng	630719	Phenanthrene-d10	16.99

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002468.D
Acq On : 19 Jun 2020 20:33
Operator : CG/JU
Sample : L3035-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 1-SP-3-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP060520.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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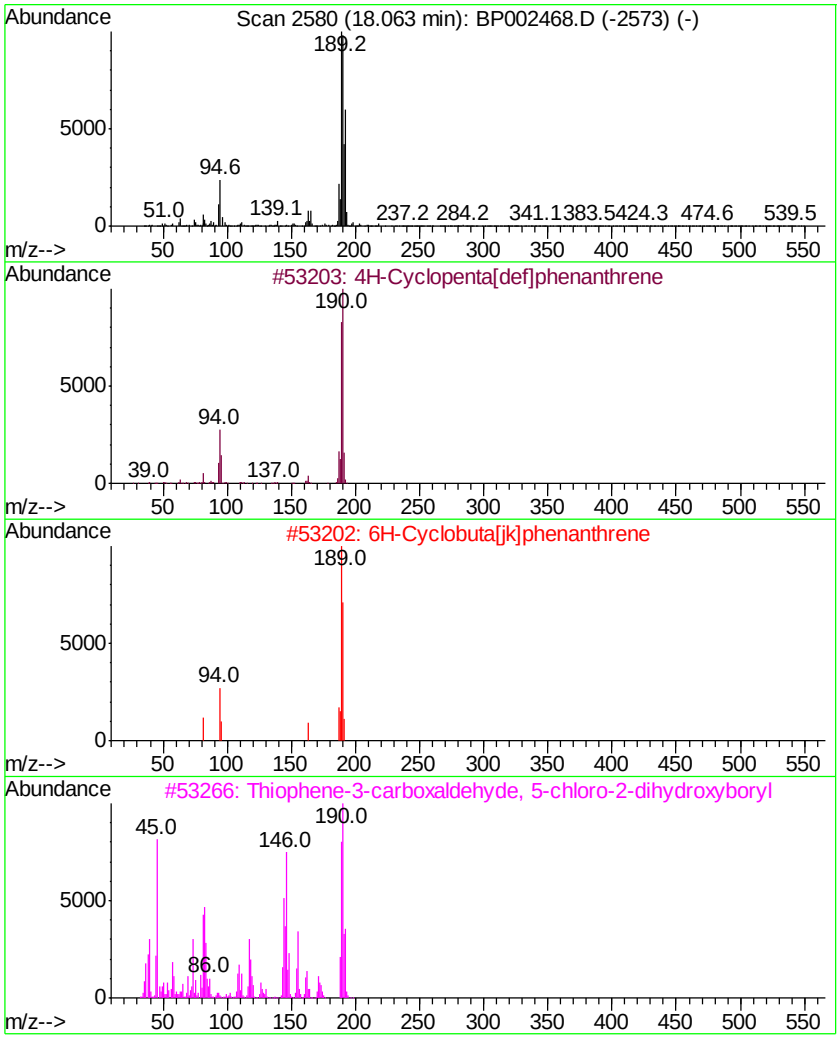
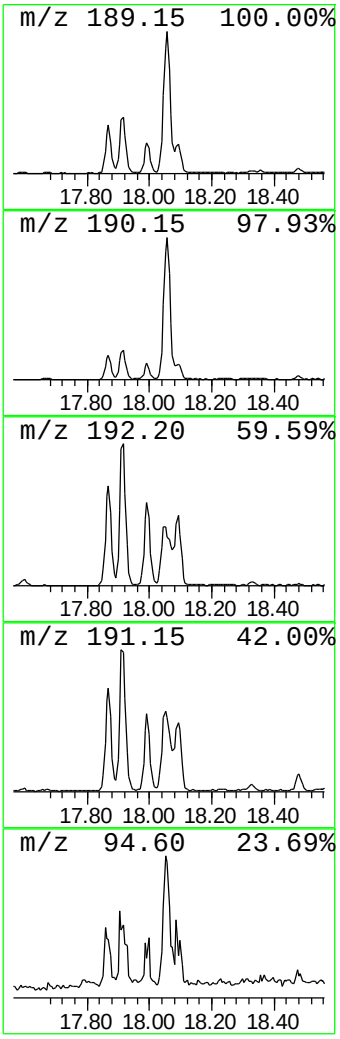
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.68 ng	387061	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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Acq On : 19 Jun 2020 20:33
Operator : CG/JU
Sample : L3035-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 1-SP-3-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP060520.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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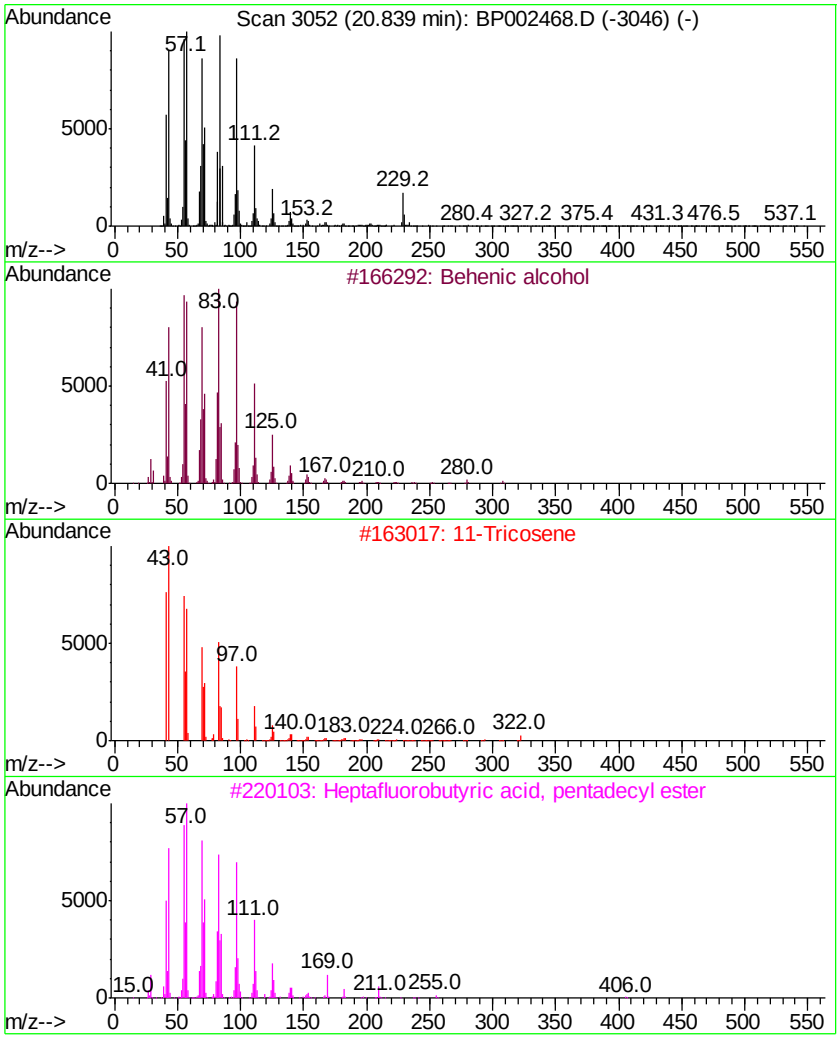
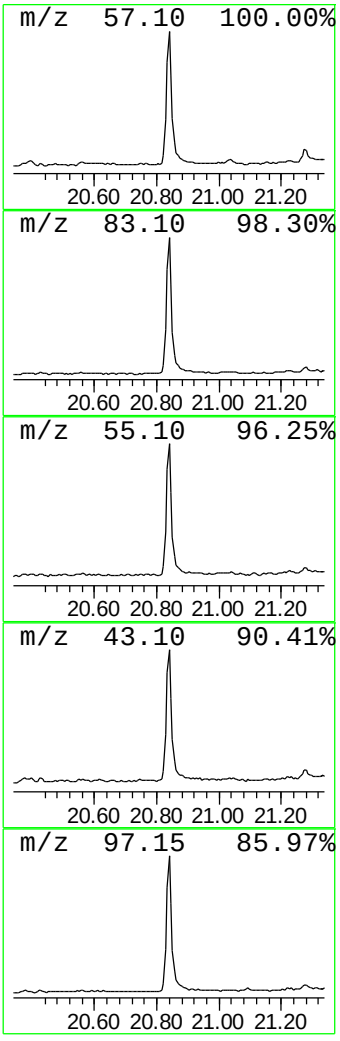
Peak Number 4 Behenic alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	7.66 ng	1621980	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	94
2	11-Tricosene	322	C23H46	052078-56-5	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	1-Nonadecene	266	C19H38	018435-45-5	91





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Acq On : 19 Jun 2020 20:33
Operator : CG/JU
Sample : L3035-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 1-SP-3-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP060520.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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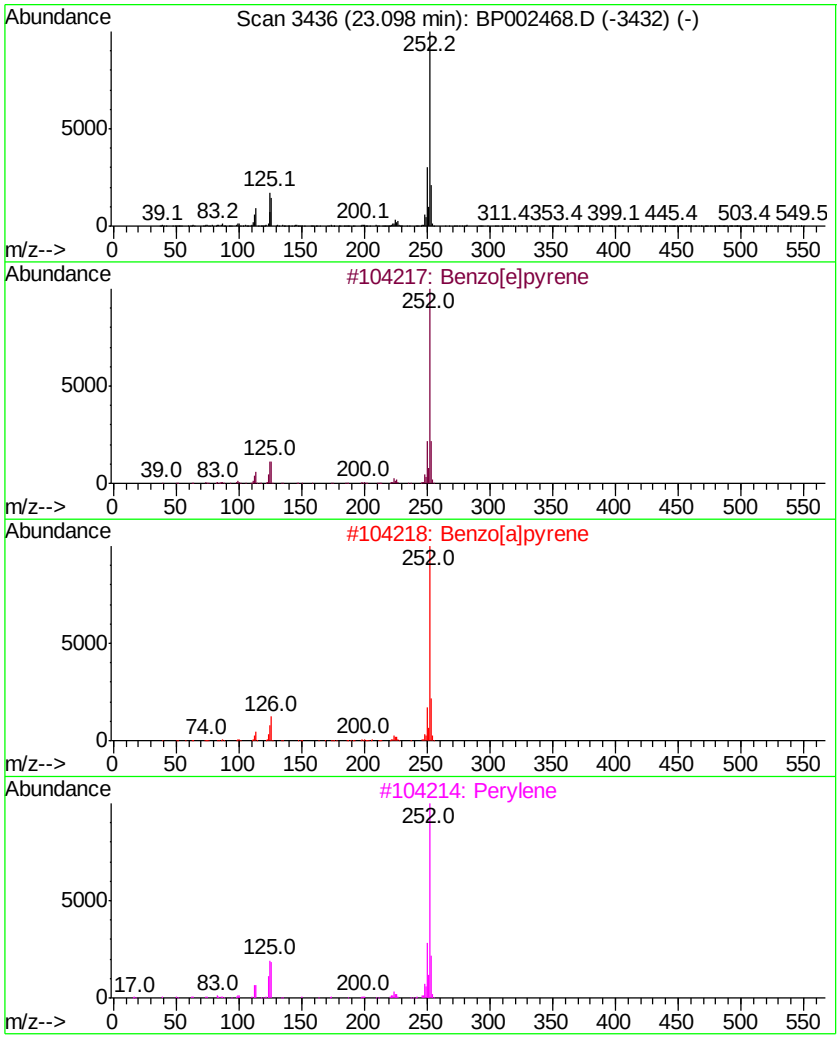
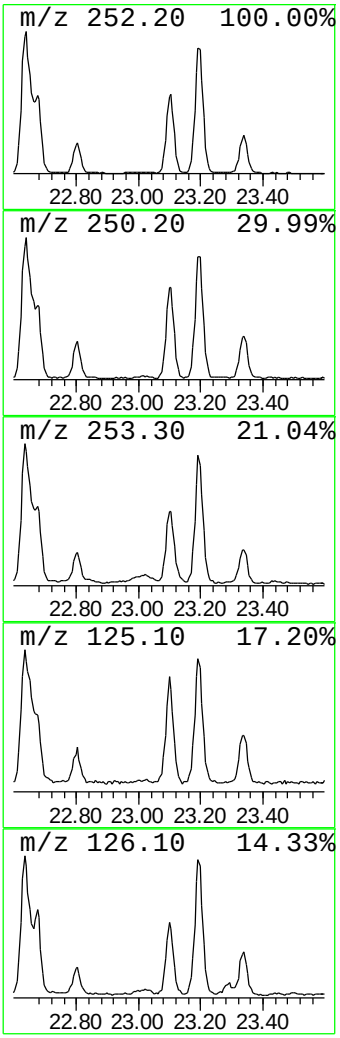
Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	5.97 ng	632725	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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Instrument : BNA_P
ClientSampleId : 1-SP-3-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP060520.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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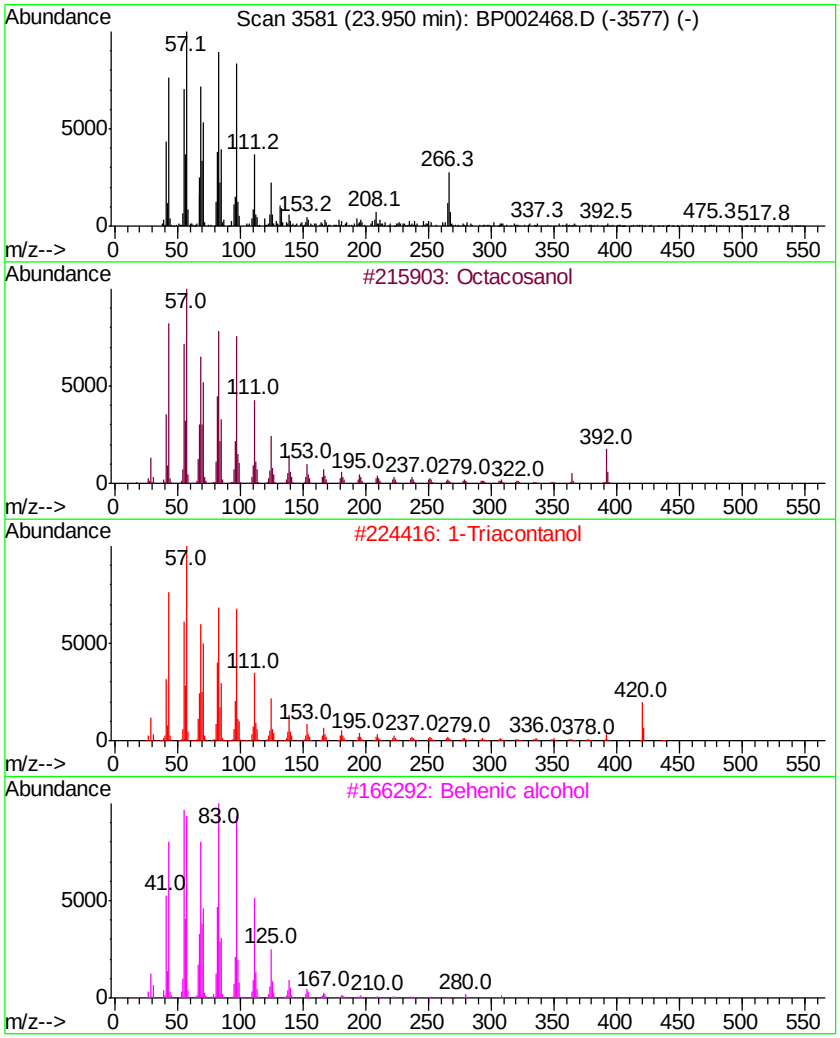
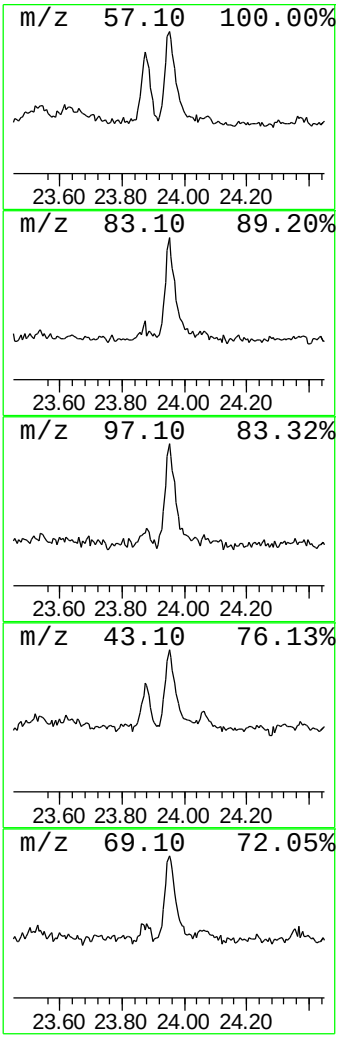
Peak Number 6 Octacosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.95	2.57 ng	272800	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosanol	410	C28H58O	000557-61-9	91
2	1-Triacontanol	438	C30H62O	000593-50-0	83
3	Behenic alcohol	326	C22H46O	000661-19-8	81
4	Cyclohexadecane	224	C16H32	000295-65-8	78
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	68





Tentatively Identified Compound (LSC) summary

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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
Phenanthrene, 2-m...	17.92	4.4	ng	630719	4	16.99	2885180	20.0
4H-Cyclopenta[def...	18.06	2.7	ng	387061	4	16.99	2885180	20.0
Behenic alcohol	20.84	7.7	ng	1621980	5	21.09	4233580	20.0
Benzo[e]pyrene	23.10	6.0	ng	632725	6	23.29	2120120	20.0
Octacosanol	23.95	2.6	ng	272800	6	23.29	2120120	20.0