LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

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-BP052720.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	5.228	391	398	417	rBV	3632972	5474391	49.62%	4.889%
2	6.793	654	664	675	rBV	3830783	6088192	55.18%	5.437%
3	7.605	795	802	812	rBV	1207324	1904147	17.26%	1.701%
4	7.928	848	857	865	rBV	3542937	5799787	52.56%	5.180%
5	8.752	984	997	1012	rBV	2697980	4574552	41.46%	4.085%
6	10.375	1265	1273	1280	rBV	1611997	2705836	24.52%	2.416%
7	12.869	1689	1697	1705	rBV	6118077	9221796	83.58%	8.236%
8	13.710	1832	1840	1848	rBV	526132	730100	6.62%	0.652%
9	13.963	1878	1883	1890	rVB	78456	122610	1.11%	0.109%
10	14.245	1925	1931	1937	rBV	2291166	3389279	30.72%	3.027%
11	14.310	1937	1942	1950	rVB	130078	187524	1.70%	0.167%
12	15.298	2105	2110	2116	rVB	114607	166645	1.51%	0.149%
13	15.739	2179	2185	2196	rBV	3935110	5885703	53.34%	5.256%
14	16.651	2336	2340	2350	rVB	65248	110783	1.00%	0.099%
15	16.816	2364	2368	2373	rVB	79349	111006	1.01%	0.099%
16	16.933	2384	2388	2393	rBV2	81767	117152	1.06%	0.105%
17	16.998	2393	2399	2403	rVV	2712815	3873070	35.10%	3.459%
18	17.039	2403	2406	2412	rVB	1673762	2188317	19.83%	1.954%
19	17.133	2417	2422	2427	rVV	423422	609580	5.52%	0.544%
20	17.404	2459	2468	2474	rBV2	151999	274769	2.49%	0.245%
21	17.810	2531	2537	2542	rBV2	92374	192239	1.74%	0.172%
22	17.875	2543	2548	2552	rVV	312301	474801	4.30%	0.424%
23	17.928	2552	2557	2565	rVV3	820954	1384391	12.55%	1.236%
24	17.998	2565	2569	2574	rVV2	166529	284560	2.58%	0.254%
25	18.063	2574	2580	2584	rVV2	412235	736857	6.68%	0.658%
26	18.098	2584	2586	2591	rVB	178533	210498	1.91%	0.188%
27	18.363	2627	2631	2634	rBV	166362	233335	2.11%	0.208%
28	18.392	2634	2636	2644	rVB2	162955	208760	1.89%	0.186%
29	18.769	2696	2700	2705	rBV	166142	265922	2.41%	0.237%
30	18.833	2706	2711	2714	rVV3	125269	208898	1.89%	0.187%
31	18.898	2718	2722	2731	rVB3	133965	259791	2.35%	0.232%
32	18.992	2734	2738	2739	rBV	156939	185924	1.69%	0.166%
33	19.022	2739	2743	2751	rVB	3230501	4097258	37.13%	3.659%
34	19.169	2764	2768	2772	rBV3	161000	215648	1.95%	0.193%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

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-BP052720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.257	2780	2783	2789	rVB2	89036	117208	1.06%	0.105%
36	19.369	2794	2802	2807	rVV	2792527	4387910	39.77%	3.919%
37	19.445	2811	2815	2823	rVB3	111265	215680	1.95%	0.193%
38	19.586	2829	2839	2849	rVB	8136044	11033566	100.00%	9.854%
39	19.698	2852	2858	2863	rBV2	181081	406625	3.69%	0.363%
40	19.827	2876	2880	2882	rBV3	132131	201224	1.82%	0.180%
41	19.857	2882	2885	2891	rVB	391144	549136	4.98%	0.490%
42	19.957	2898	2902	2906	rBV	300456	362662	3.29%	0.324%
43	20.010	2906	2911	2915	rVV2	282536	424180	3.84%	0.379%
44	20.145	2931	2934	2938	rBV	163242	202197	1.83%	0.181%
45	20.192	2938	2942	2946	rBV2	173415	241658	2.19%	0.216%
46	20.404	2975	2978	2981	rBV2	95152	116043	1.05%	0.104%
47	20.586	3006	3009	3016	rVB	225903	327155	2.97%	0.292%
48	20.751	3031	3037	3040	rBV2	256263	461974	4.19%	0.413%
49	20.786	3040	3043	3046	rVB	216184	225520	2.04%	0.201%
50	20.839	3046	3052	3057	rBV4	1343007	2085958	18.91%	1.863%
51	21.045	3084	3087	3089	rBV2	162945	199752	1.81%	0.178%
52	21.092	3089	3095	3099	rVV2	3526647	6515191	59.05%	5.818%
53	21.133	3099	3102	3113	rVB	1495723	1924156	17.44%	1.718%
54	21.245	3118	3121	3124	rBV	257629	314540	2.85%	0.281%
55	21.280	3125	3127	3132	rVB2	262923	299901	2.72%	0.268%
56	21.398	3144	3147	3153	rVB2	196255	253230	2.30%	0.226%
57	21.716	3198	3201	3206	rVB	519395	580838	5.26%	0.519%
58	21.827	3218	3220	3223	rBV	114680	111390	1.01%	0.099%
59	22.174	3275	3279	3286	rVB	550667	698969	6.33%	0.624%
60	22.639	3352	3358	3361	rBV	1202674	2481312	22.49%	2.216%
61	22.680	3361	3365	3369	rVB	1333401	2093630	18.98%	1.870%
62	22.804	3382	3386	3392	rVB	260081	393441	3.57%	0.351%
63	23.104	3432	3437	3445	rVB	782913	1488958	13.49%	1.330%
64	23.198	3447	3453	3457	rBV	1066563	1951658	17.69%	1.743%
65	23.245	3457	3461	3464	rVV	404556	548077	4.97%	0.489%
66	23.292	3464	3469	3474	rVB	1907535	3181202	28.83%	2.841%
67	23.892	3566	3571	3578	rVB	759429	1352167	12.26%	1.208%
68	23.963	3579	3583	3589	rVB3	308256	556787	5.05%	0.497%
69	25.498	3838	3844	3855	rVB3	683363	1898706	17.21%	1.696%
70	26.168	3953	3958	3977	rVB	431731	1277829	11.58%	1.141%

LSC Area Percent Report

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Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

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-BP052720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 111974551

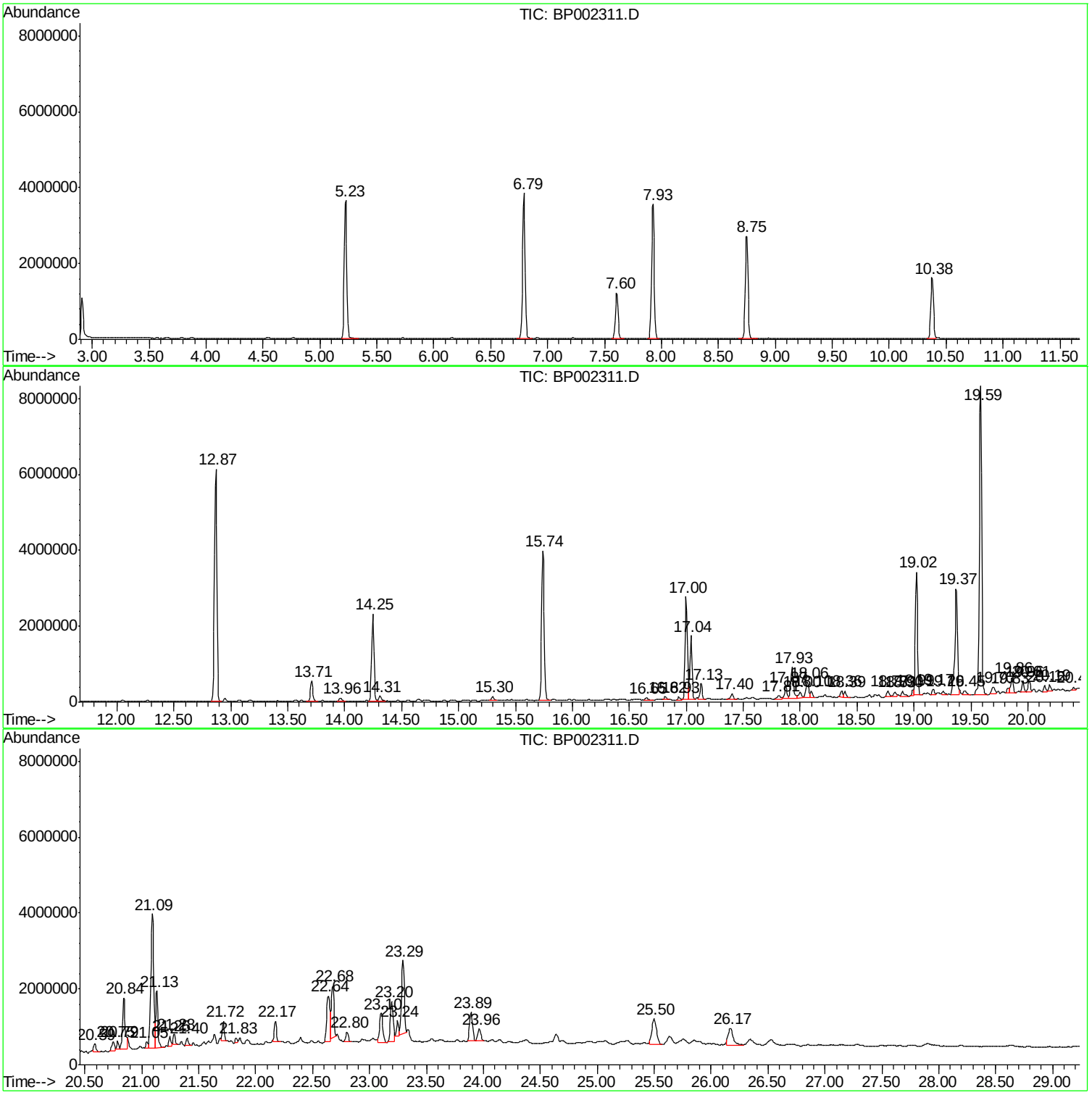
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

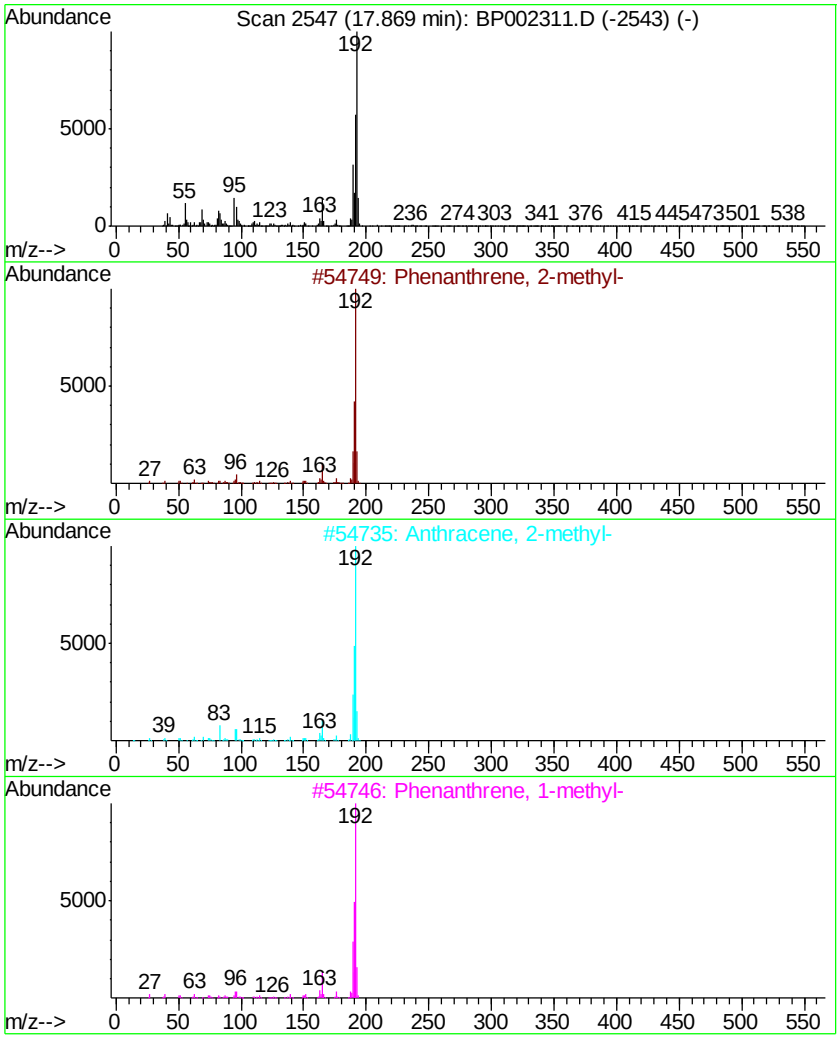
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

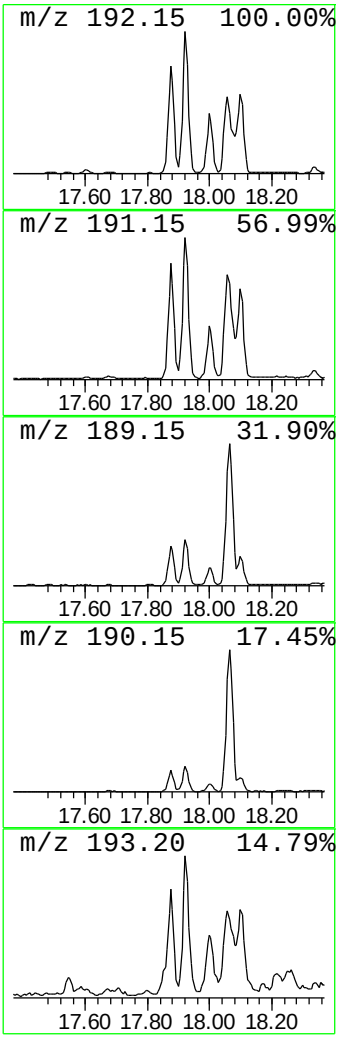
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.45 ng	474801	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

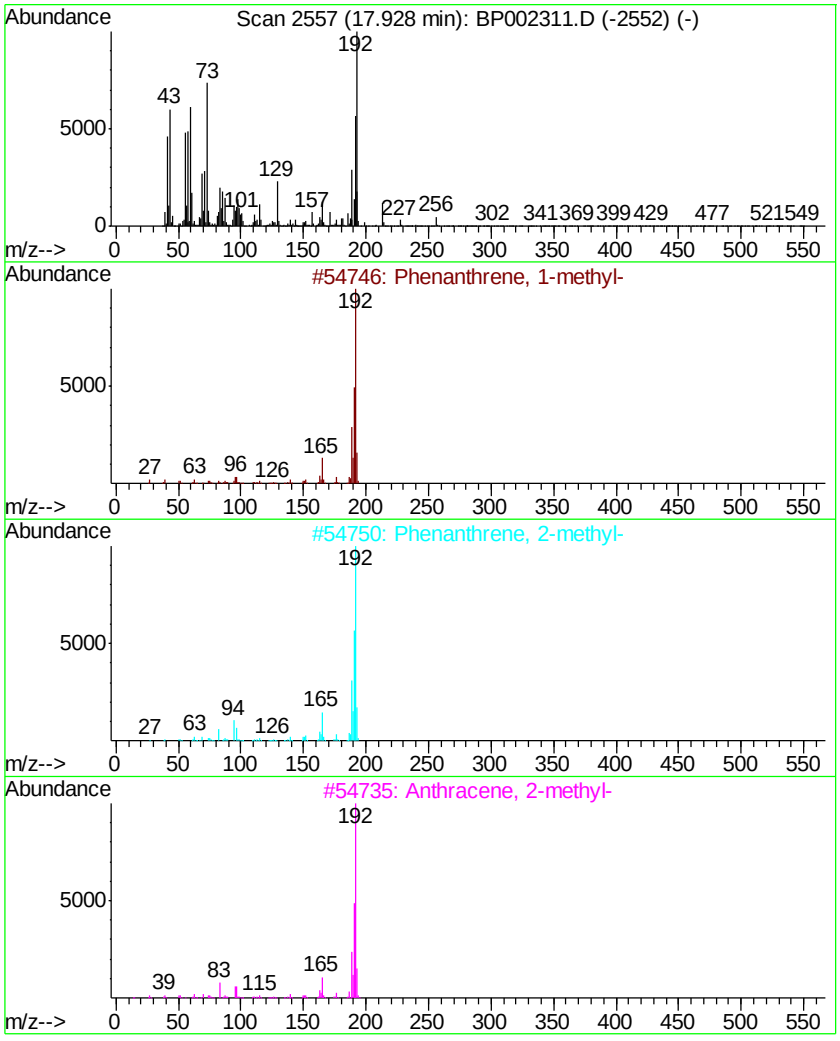
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

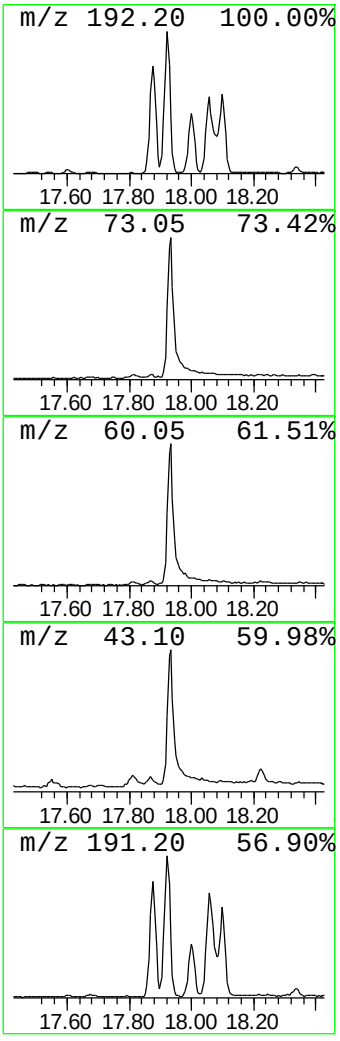
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	7.15 ng	1384390	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

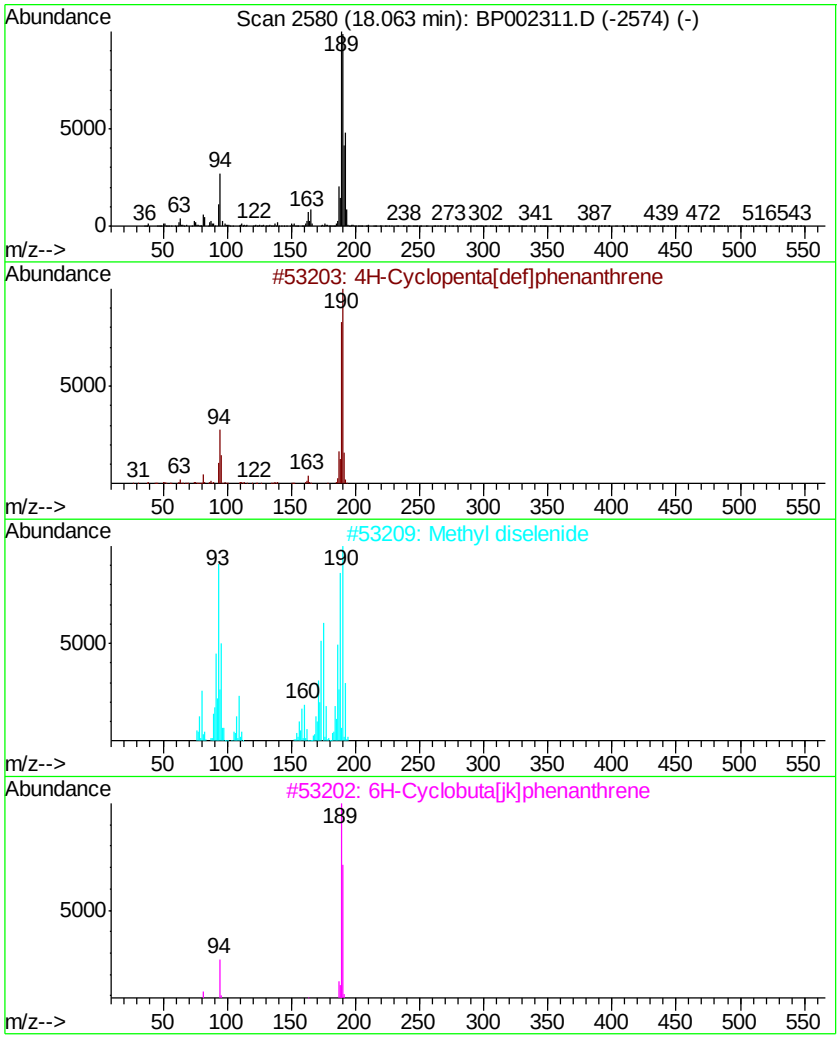
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

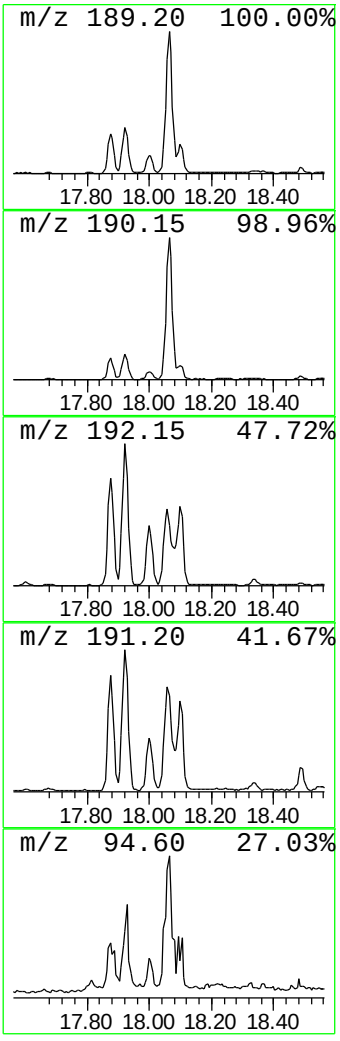
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	3.81 ng	736857	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
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Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

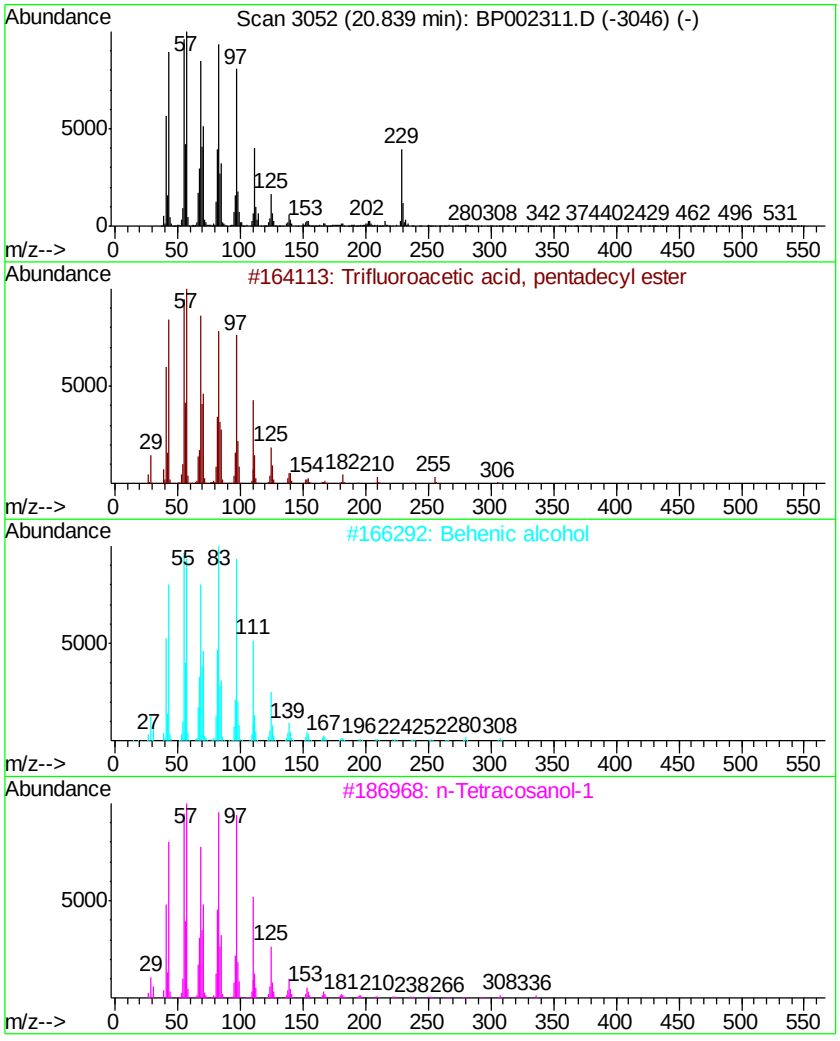
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

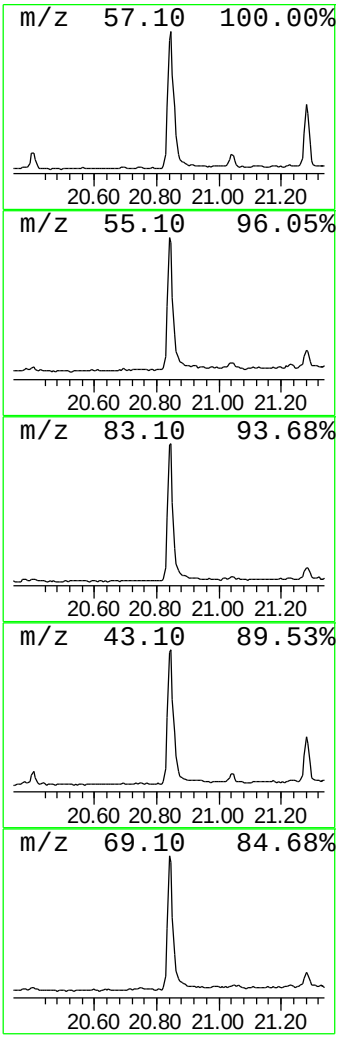
****

Peak Number 5 Trifluoroacetic acid, penta... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	6.40 ng	2085960	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91
2	Behenic alcohol	326	C22H46O	000661-19-8	91
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
4	1-Heptacosanol	396	C27H56O	002004-39-9	91
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
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Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

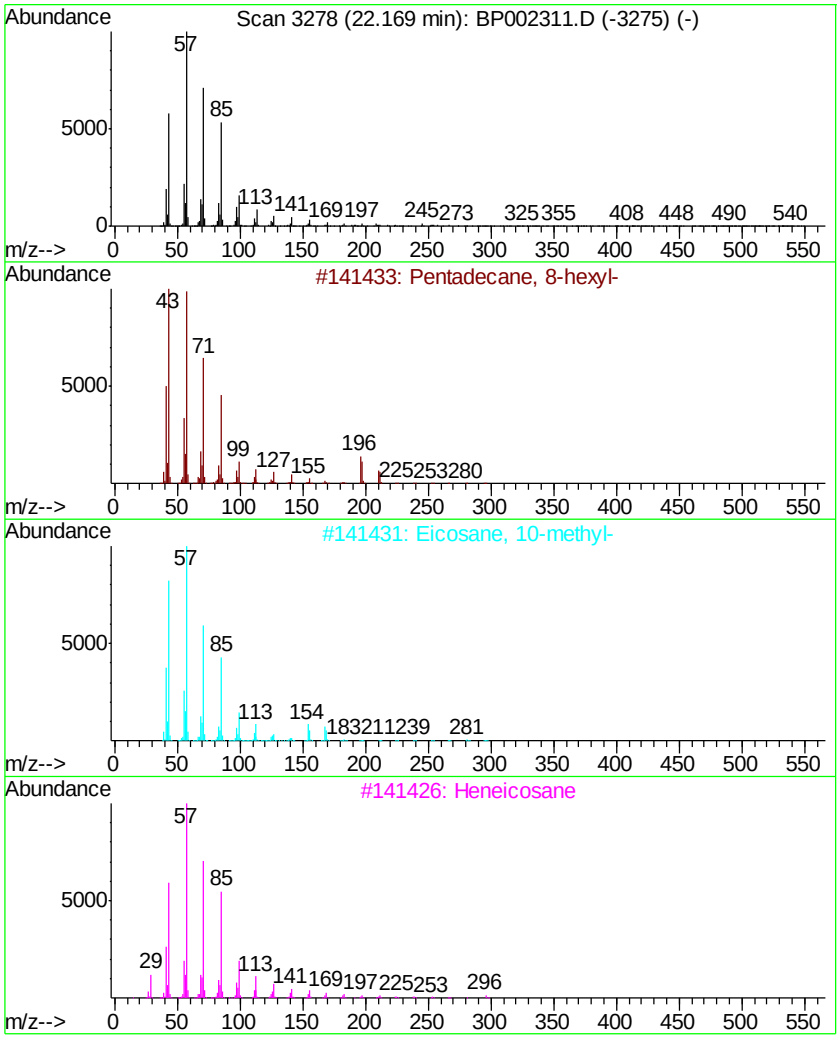
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

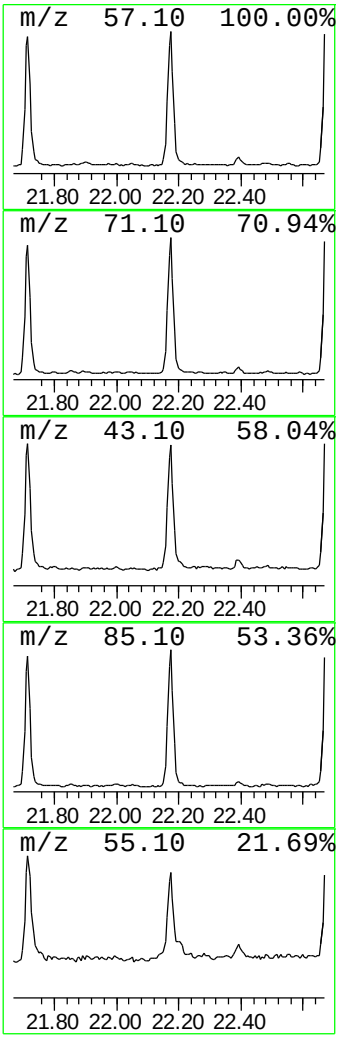
****

Peak Number 6 Pentadecane, 8-hexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	2.15 ng	698969	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Tetracosane	338	C24H50	000646-31-1	91





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Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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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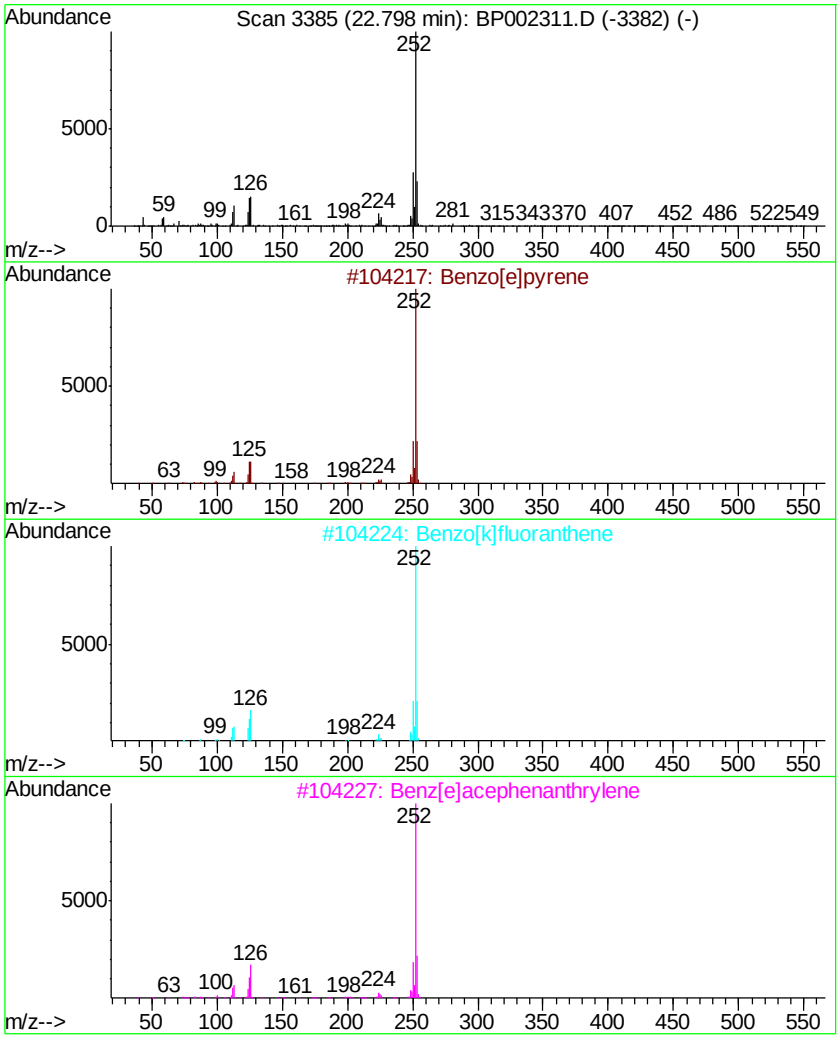
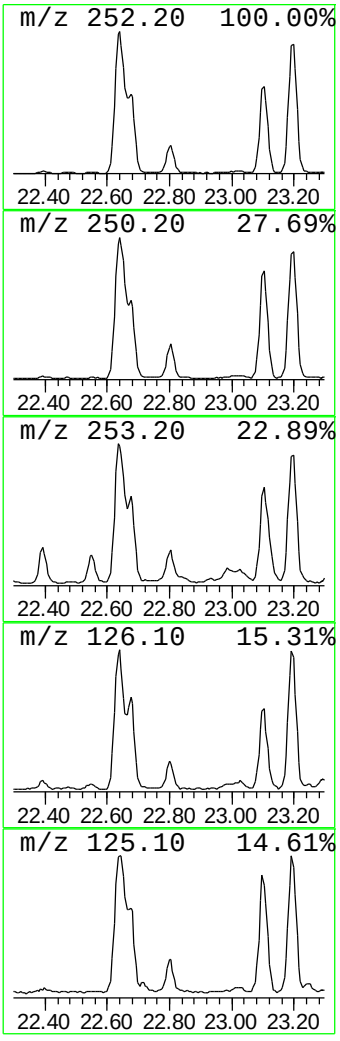
Peak Number 7 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.80	2.47 ng	393441	Perylene-d12	23.29

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	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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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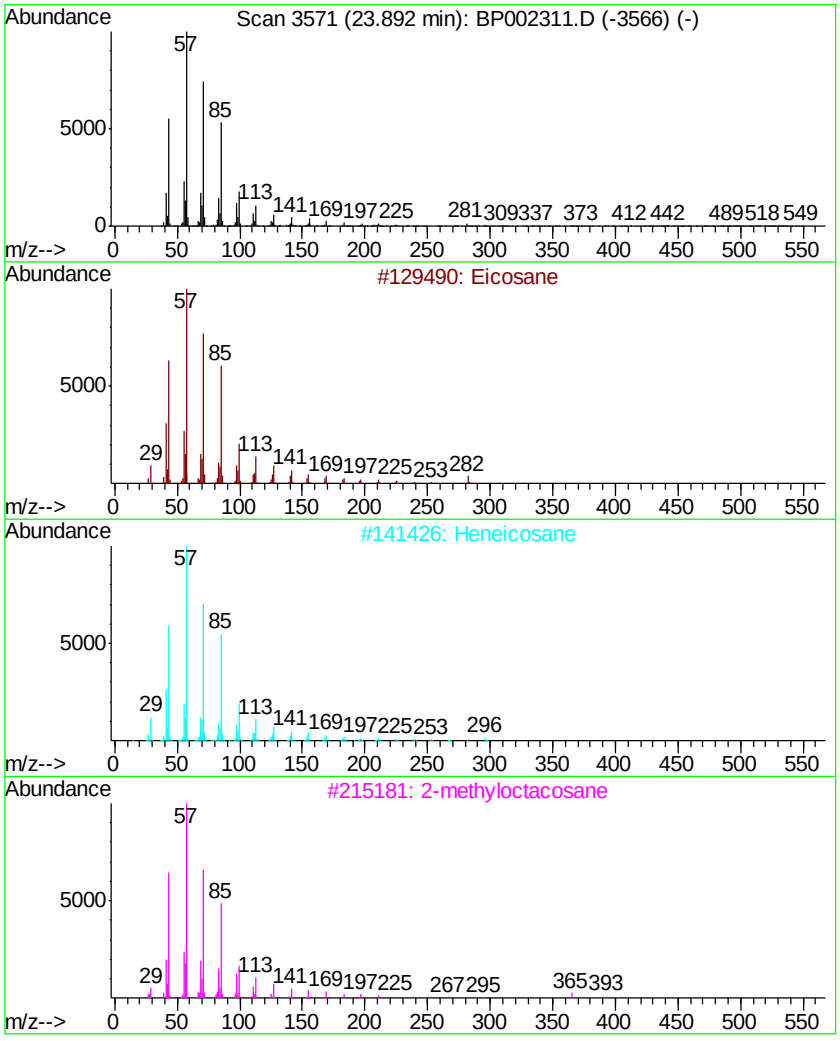
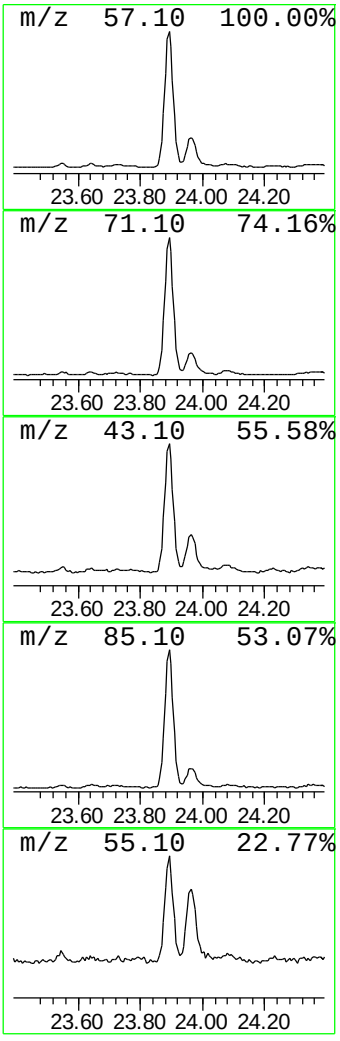
Peak Number 9 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.89	8.50 ng	1352170	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Hexatriacontane	507	C36H74	000630-06-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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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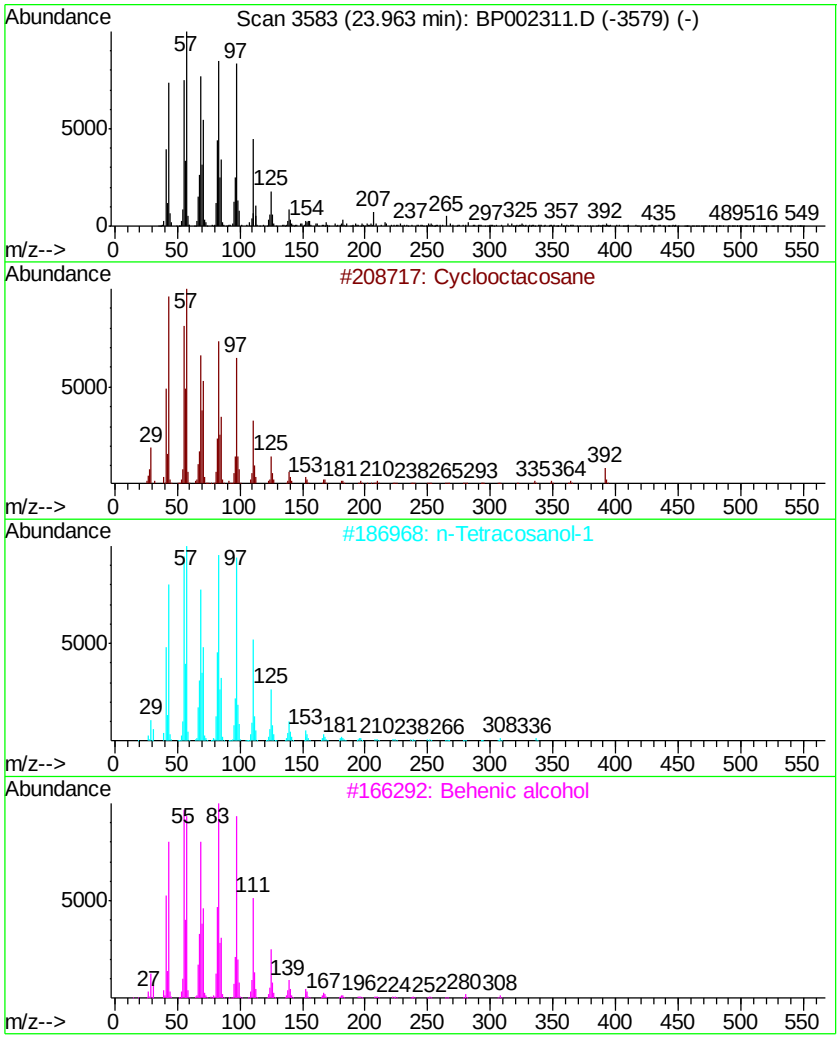
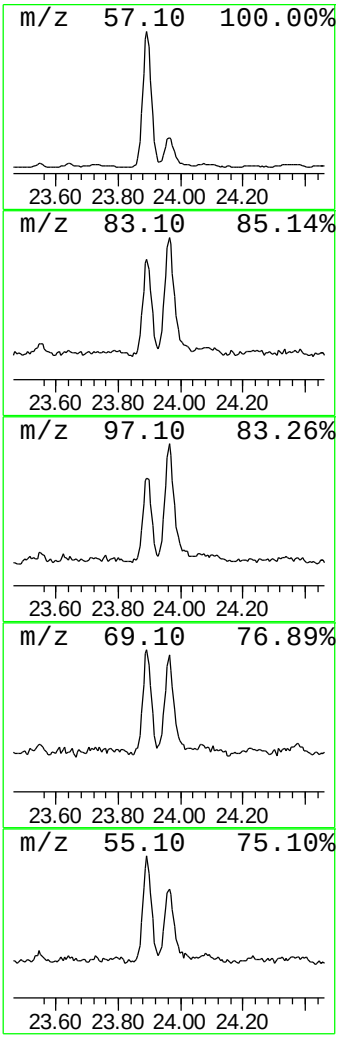
Peak Number 10 Cyclooctacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.96	3.50 ng	556787	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctacosane	392	C28H56	000297-24-5	93
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
3	Behenic alcohol	326	C22H46O	000661-19-8	90
4	Octacosanol	410	C28H58O	000557-61-9	90
5	1-Heptacosanol	396	C27H56O	002004-39-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP052820\
Data File : BP002311.D
Acq On : 28 May 2020 15:58
Operator : CG/JU
Sample : L2745-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NM11-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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
Phenanthrene, 2-m...	17.87	2.5	ng	474801	4	17.00	3873070	20.0
Phenanthrene, 1-m...	17.93	7.2	ng	1384390	4	17.00	3873070	20.0
4H-Cyclopenta[def...	18.06	3.8	ng	736857	4	17.00	3873070	20.0
Trifluoroacetic a...	20.84	6.4	ng	2085960	5	21.10	6515190	20.0
Pentadecane, 8-he...	22.17	2.1	ng	698969	5	21.10	6515190	20.0
Benzo[e]pyrene	22.80	2.5	ng	393441	6	23.29	3181200	20.0
Eicosane	23.89	8.5	ng	1352170	6	23.29	3181200	20.0
Cyclooctacosane	23.96	3.5	ng	556787	6	23.29	3181200	20.0