LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

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-BP071020.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	4.717	306	311	320	rBV	59924	88240	2.29%	0.203%
2	5.187	384	391	406	rBV	1770816	2717359	70.64%	6.241%
3	6.763	652	659	674	rBV	1769247	2925058	76.04%	6.718%
4	7.211	727	735	742	rBV3	16119	50322	1.31%	0.116%
5	7.558	787	794	805	rBV	947373	1474206	38.32%	3.386%
6	8.705	974	989	1002	rBV	1147594	2007627	52.19%	4.611%
7	8.799	1002	1005	1014	rVB	21718	41020	1.07%	0.094%
8	10.328	1256	1265	1272	rBV	1221990	2153988	55.99%	4.947%
9	11.387	1439	1445	1453	rBV3	28800	63356	1.65%	0.146%
10	11.799	1506	1515	1521	rBV	39510	78781	2.05%	0.181%
11	12.004	1542	1550	1560	rVB2	48232	108780	2.83%	0.250%
12	12.222	1583	1587	1592	rBV	39876	64468	1.68%	0.148%
13	12.398	1610	1617	1628	rBV6	27510	91171	2.37%	0.209%
14	12.763	1674	1679	1683	rBV2	30736	47298	1.23%	0.109%
15	12.822	1683	1689	1700	rVV	2492815	3846773	100.00%	8.835%
16	13.057	1721	1729	1736	rBV2	56222	118395	3.08%	0.272%
17	13.146	1736	1744	1748	rVB4	20009	56907	1.48%	0.131%
18	13.369	1777	1782	1791	rBV3	45398	118457	3.08%	0.272%
19	13.534	1804	1810	1814	rBV	68054	112172	2.92%	0.258%
20	13.581	1814	1818	1823	rVB	56217	80212	2.09%	0.184%
21	13.669	1828	1833	1839	rVV	906439	1284244	33.38%	2.949%
22	13.728	1840	1843	1846	rVV3	34501	46003	1.20%	0.106%
23	13.763	1846	1849	1853	rVB	32689	42903	1.12%	0.099%
24	13.928	1872	1877	1885	rBV2	74096	116439	3.03%	0.267%
25	14.145	1909	1914	1918	rBV	77376	97306	2.53%	0.223%
26	14.210	1918	1925	1931	rVV2	1649324	2510188	65.25%	5.765%
27	14.275	1931	1936	1940	rVV	114511	156910	4.08%	0.360%
28	14.428	1957	1962	1970	rBV2	26093	70172	1.82%	0.161%
29	14.616	1986	1994	2002	rBV2	103955	207510	5.39%	0.477%
30	14.698	2005	2008	2013	rVV	50037	63779	1.66%	0.146%
31	14.769	2016	2020	2025	rVB4	34437	53878	1.40%	0.124%
32	14.840	2027	2032	2037	rBV2	46881	86208	2.24%	0.198%
33	14.892	2037	2041	2046	rVB	39356	59138	1.54%	0.136%
34	15.010	2056	2061	2063	rBV3	34049	53290	1.39%	0.122%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

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-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.040	2063	2066	2072	rVV	86463	107198	2.79%	0.246%
36	15.104	2073	2077	2081	rVB	93579	113873	2.96%	0.262%
37	15.263	2099	2104	2110	rBV2	186558	274169	7.13%	0.630%
38	15.516	2139	2147	2151	rBV4	60914	111382	2.90%	0.256%
39	15.563	2151	2155	2159	rBV	36010	57906	1.51%	0.133%
40	15.716	2175	2181	2190	rVB	1414374	2169590	56.40%	4.983%
41	15.969	2219	2224	2226	rBV2	105330	147610	3.84%	0.339%
42	15.992	2226	2228	2233	rVB	76050	95470	2.48%	0.219%
43	16.328	2282	2285	2290	rVB3	47198	72070	1.87%	0.166%
44	16.628	2333	2336	2345	rVB2	47394	75427	1.96%	0.173%
45	16.710	2347	2350	2354	rBV5	25990	43922	1.14%	0.101%
46	16.769	2355	2360	2361	rBV2	91237	119912	3.12%	0.275%
47	16.822	2366	2369	2378	rVB	77597	118660	3.08%	0.273%
48	16.969	2388	2394	2398	rBV	1575252	2324963	60.44%	5.340%
49	17.010	2398	2401	2407	rVB	1115278	1509194	39.23%	3.466%
50	17.104	2412	2417	2424	rVB	307683	446216	11.60%	1.025%
51	17.169	2425	2428	2435	rVB2	32887	59582	1.55%	0.137%
52	17.381	2461	2464	2469	rVB	79047	98827	2.57%	0.227%
53	17.504	2481	2485	2489	rBV2	104569	130006	3.38%	0.299%
54	17.557	2491	2494	2498	rVB	42929	52223	1.36%	0.120%
55	17.675	2511	2514	2516	rBV	37216	42809	1.11%	0.098%
56	17.845	2539	2543	2548	rBV	164050	231098	6.01%	0.531%
57	17.898	2548	2552	2558	rVB	233255	320178	8.32%	0.735%
58	17.975	2562	2565	2569	rVV	79460	103204	2.68%	0.237%
59	18.033	2570	2575	2579	rVV2	255513	452101	11.75%	1.038%
60	18.075	2579	2582	2590	rVB	130677	193829	5.04%	0.445%
61	18.186	2598	2601	2605	rVB2	102813	118375	3.08%	0.272%
62	18.339	2623	2627	2630	rBV	100317	131853	3.43%	0.303%
63	18.381	2631	2634	2640	rVB3	61793	103941	2.70%	0.239%
64	18.551	2660	2663	2665	rBV	36964	46675	1.21%	0.107%
65	18.633	2673	2677	2680	rBV2	93034	123036	3.20%	0.283%
66	18.745	2692	2696	2700	rBV	119821	174272	4.53%	0.400%
67	18.810	2700	2707	2715	rVB4	207395	517556	13.45%	1.189%
68	18.881	2716	2719	2726	rVV3	57123	98721	2.57%	0.227%
69	18.998	2734	2739	2746	rBV	1208701	1551619	40.34%	3.563%
70	19.351	2791	2799	2809	rBV	1016436	1759974	45.75%	4.042%
71	19.557	2829	2834	2839	rBV	2576828	3000603	78.00%	6.891%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

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-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.839	2879	2882	2886	rVB	185657	238415	6.20%	0.548%
73	19.886	2887	2890	2893	rBV	98576	112466	2.92%	0.258%
74	19.939	2896	2899	2902	rVB	130007	154017	4.00%	0.354%
75	19.992	2906	2908	2912	rVB	100776	114450	2.98%	0.263%
76	20.816	3044	3048	3053	rBV3	331123	482414	12.54%	1.108%
77	21.075	3087	3092	3096	rBV2	1509019	2319635	60.30%	5.327%
78	21.116	3096	3099	3103	rVB	380864	435999	11.33%	1.001%
79	23.274	3460	3466	3471	rBV2	814781	1494405	38.85%	3.432%

Sum of corrected areas: 43542403

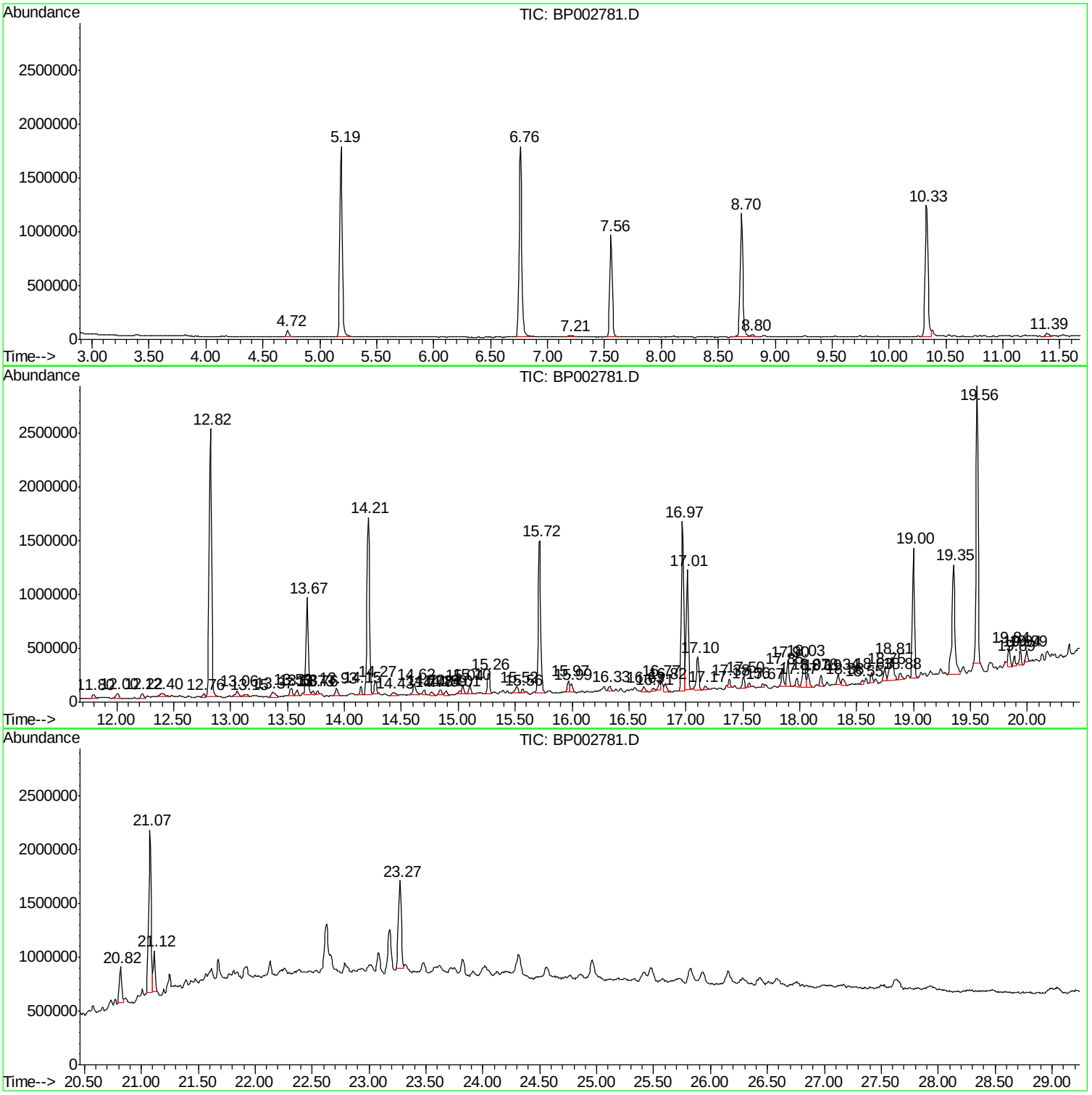
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

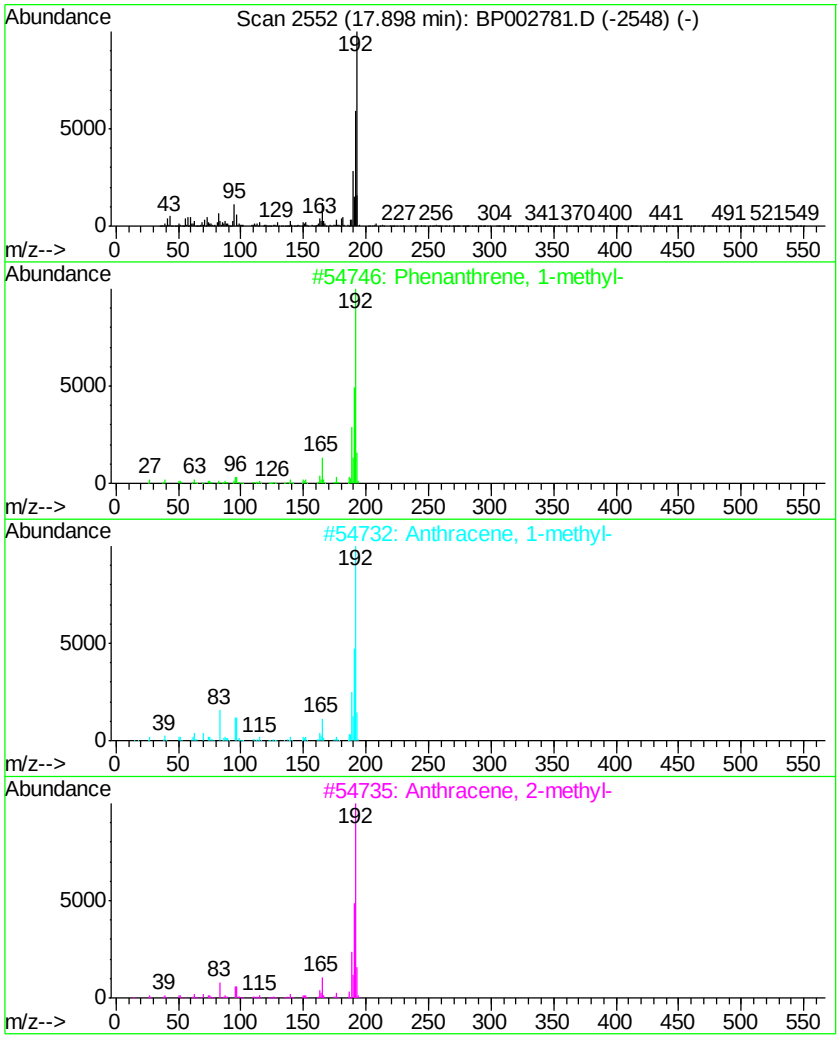
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

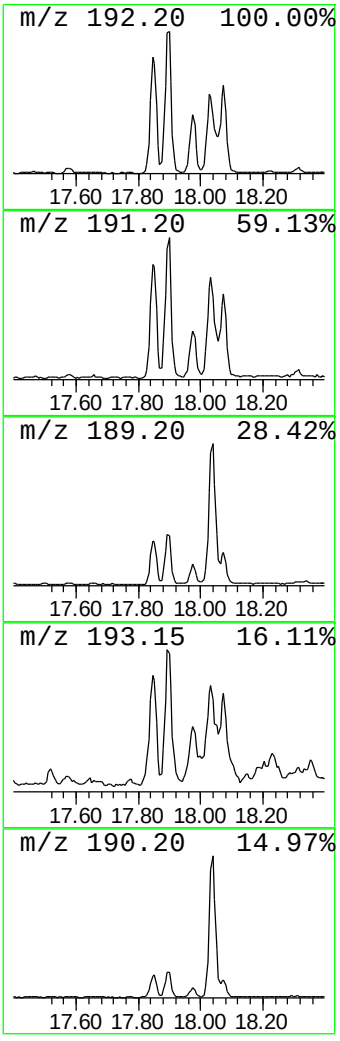
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	2.75 ng	320178	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

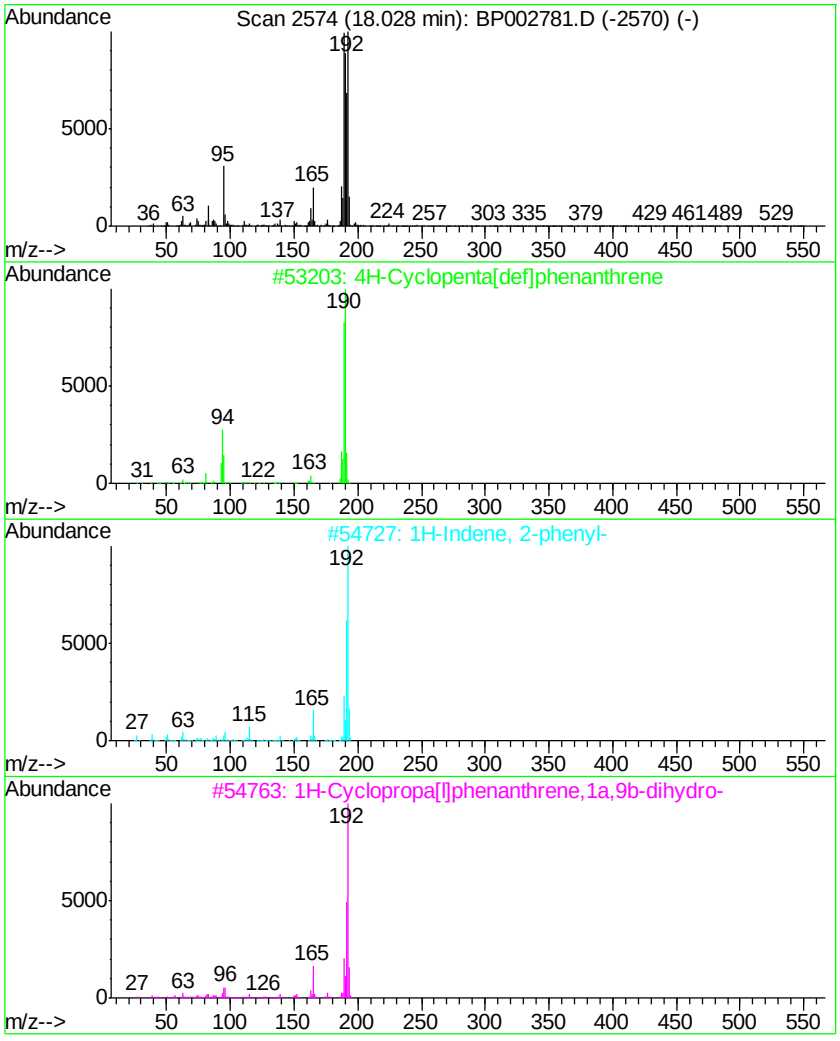
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

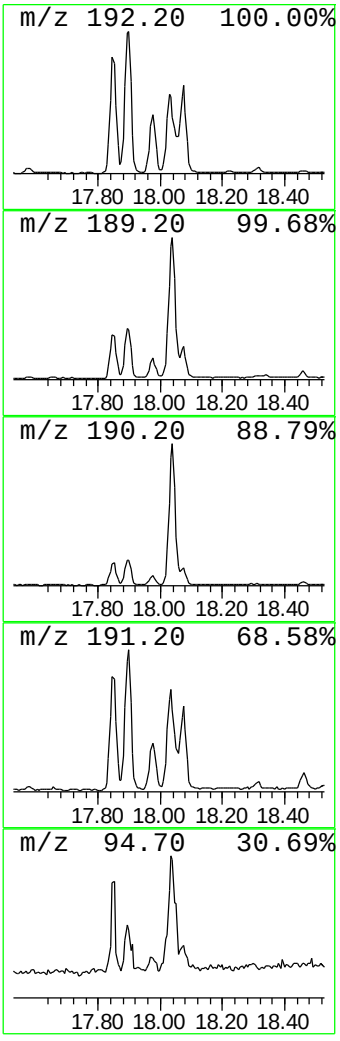
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	3.89 ng	452101	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	35
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

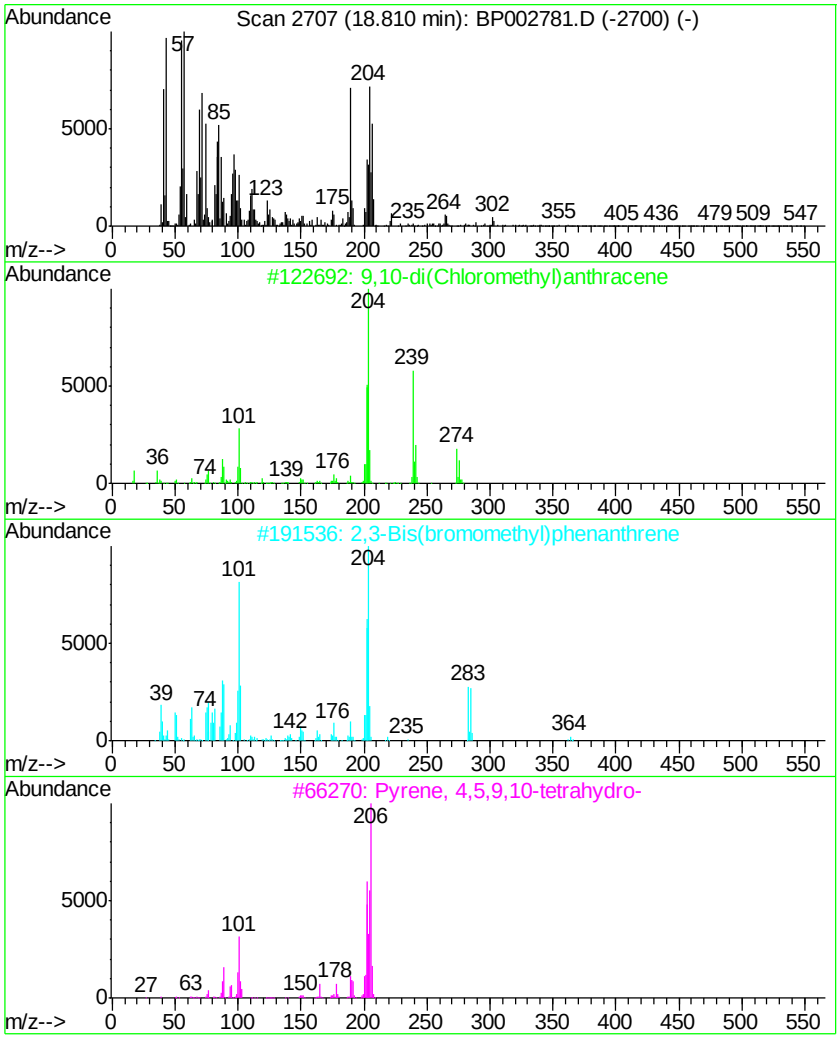
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

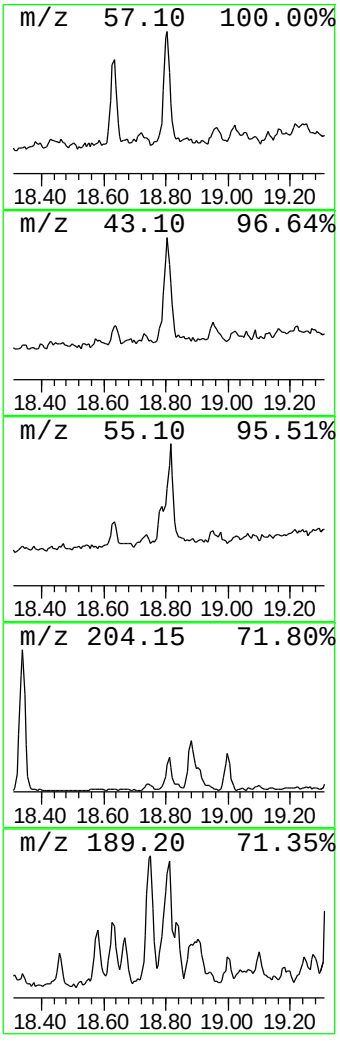
****

Peak Number 3 unknown18.81 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	4.45 ng	517556	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27
2	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	27
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25
4	tert-Hexadecanethiol	258	C16H34S	025360-09-2	25
5	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

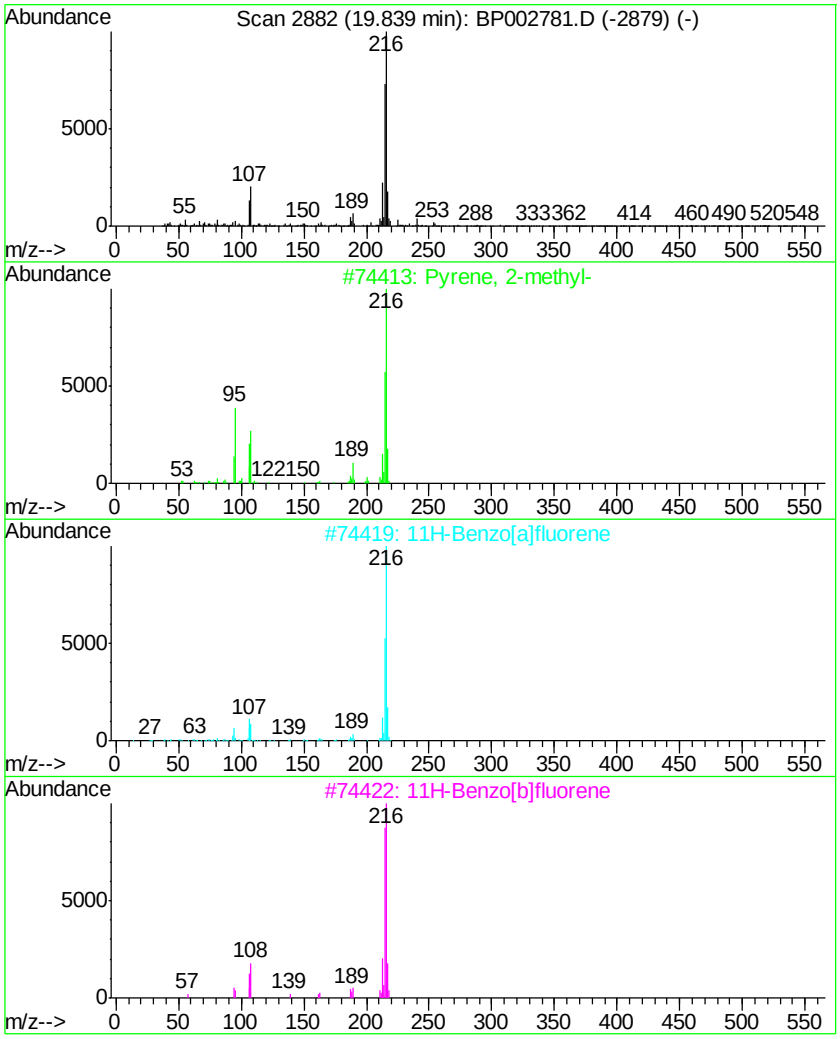
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

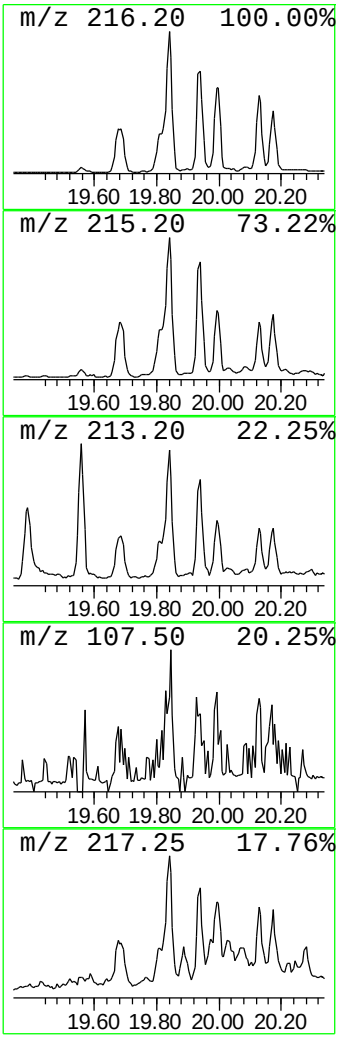
****

Peak Number 4 Pyrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.06 ng	238415	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

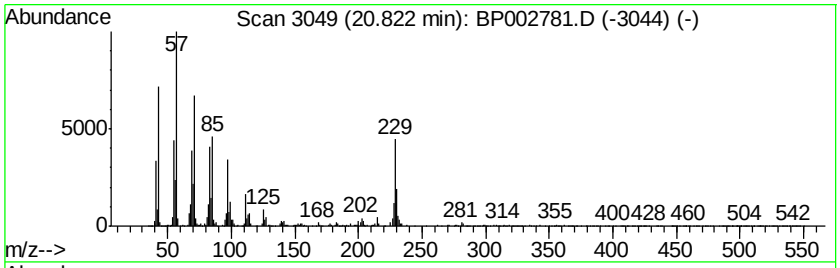
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

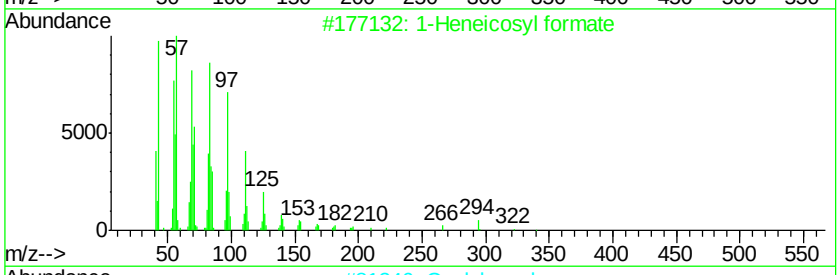
****

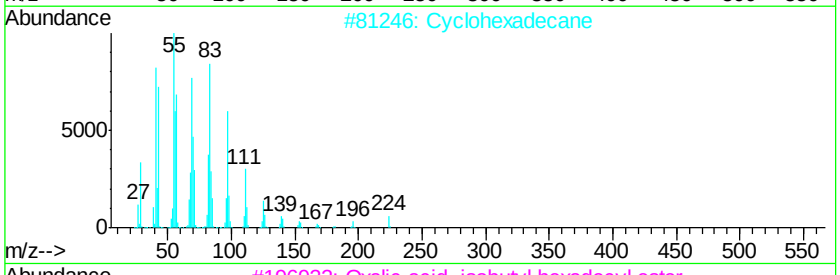
Peak Number 5 1-Heneicosyl formate Concentration Rank 2

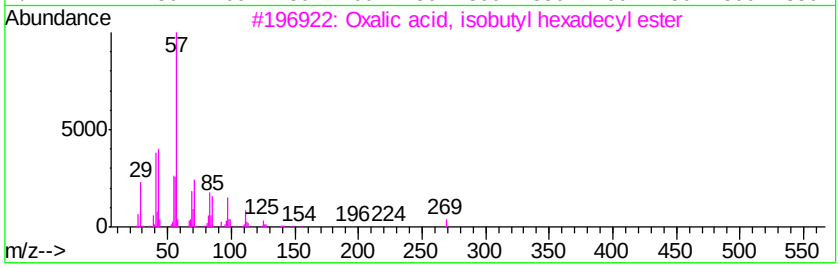
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	4.16 ng	482414	Chrysene-d12	21.07

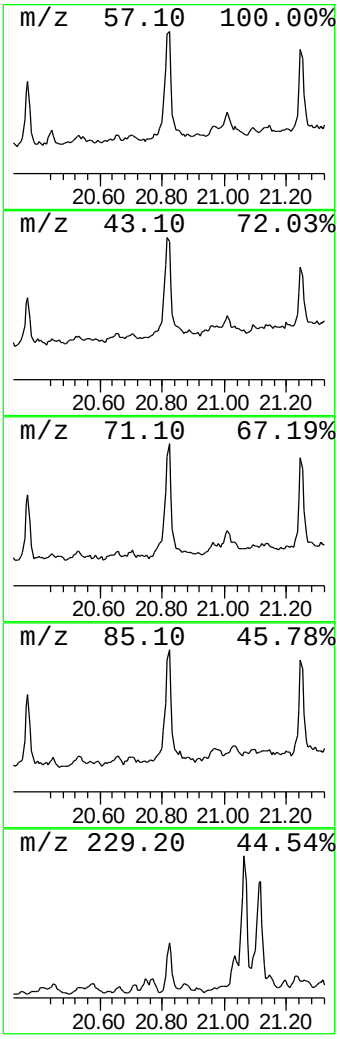
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	89
2	Cyclohexadecane	224	C16H32	000295-65-8	87
3	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	76
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	70
5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	70











Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP071620\
Data File : BP002781.D
Acq On : 16 Jul 2020 20:11
Operator : CG/JU
Sample : L3304-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : FK-GF-02-058-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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, 1-m...	17.90	2.8	ng	320178	4	16.97	2324960	20.0
4H-Cyclopenta[def...	18.03	3.9	ng	452101	4	16.97	2324960	20.0
unknown18.81	18.81	4.5	ng	517556	4	16.97	2324960	20.0
Pyrene, 2-methyl-	19.84	2.1	ng	238415	5	21.07	2319640	20.0
1-Heneicosyl formate	20.82	4.2	ng	482414	5	21.07	2319640	20.0