LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
Data File : BM026840.D
Acq On : 22 Jul 2020 19:53
Operator : JU/CG
Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

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_M\METHODS\8270-BM070820.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	4.943	369	375	391	rBV	689818	997762	41.95%	3.338%
2	6.513	635	642	665	rBV	611134	1020033	42.89%	3.413%
3	7.295	769	775	785	rBV	397449	597219	25.11%	1.998%
4	8.448	963	971	982	rBV	361032	630371	26.51%	2.109%
5	10.048	1236	1243	1249	rBV	451622	736004	30.95%	2.462%
6	10.095	1249	1251	1258	rVB	27664	44468	1.87%	0.149%
7	12.566	1665	1671	1686	rBV	754818	1110892	46.71%	3.717%
8	13.442	1812	1820	1829	rBV	85219	135716	5.71%	0.454%
9	13.677	1857	1860	1866	rVB2	15934	25227	1.06%	0.084%
10	13.960	1902	1908	1915	rBV	575921	809437	34.04%	2.708%
11	14.024	1915	1919	1931	rVB	43525	70375	2.96%	0.235%
12	14.371	1973	1978	1984	rBV	25819	38796	1.63%	0.130%
13	15.024	2084	2089	2095	rBV	45195	63484	2.67%	0.212%
14	15.324	2135	2140	2148	rBV3	18224	31857	1.34%	0.107%
15	15.471	2159	2165	2175	rBV	551417	803580	33.79%	2.689%
16	15.730	2202	2209	2211	rBV4	17745	27613	1.16%	0.092%
17	16.389	2317	2321	2330	rBV2	29230	44562	1.87%	0.149%
18	16.471	2330	2335	2340	rBV6	19504	40910	1.72%	0.137%
19	16.536	2340	2346	2351	rBV2	38628	75505	3.17%	0.253%
20	16.718	2372	2377	2381	rBV	652226	896467	37.69%	2.999%
21	16.760	2381	2384	2389	rVB	736705	979286	41.18%	3.276%
22	16.854	2395	2400	2407	rVB	153098	225021	9.46%	0.753%
23	16.930	2408	2413	2418	rBV6	15070	29494	1.24%	0.099%
24	17.142	2445	2449	2461	rVB	69553	121967	5.13%	0.408%
25	17.254	2464	2468	2473	rBV4	21648	37500	1.58%	0.125%
26	17.601	2522	2527	2531	rBV	88066	124241	5.22%	0.416%
27	17.654	2531	2536	2543	rVV2	147223	275303	11.58%	0.921%
28	17.730	2545	2549	2554	rVV2	45063	74947	3.15%	0.251%
29	17.789	2554	2559	2563	rVV2	115207	200055	8.41%	0.669%
30	17.830	2563	2566	2570	rVB	62987	80965	3.40%	0.271%
31	17.954	2584	2587	2591	rVB5	19587	25405	1.07%	0.085%
32	18.107	2609	2613	2617	rBV	69497	91382	3.84%	0.306%
33	18.154	2619	2621	2626	rVB	39677	50427	2.12%	0.169%
34	18.359	2653	2656	2660	rVB4	23992	32834	1.38%	0.110%

LSC Area Percent Report

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Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

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_M\METHODS\8270-BM070820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.406	2660	2664	2668	rVV2	93318	116830	4.91%	0.391%
36	18.448	2669	2671	2677	rVB2	27007	35175	1.48%	0.118%
37	18.530	2682	2685	2690	rVV	49116	62502	2.63%	0.209%
38	18.595	2694	2696	2700	rVB2	38758	44024	1.85%	0.147%
39	18.677	2706	2710	2717	rVB	48166	79207	3.33%	0.265%
40	18.795	2724	2730	2739	rBV	1461258	1885279	79.27%	6.308%
41	18.901	2746	2748	2752	rVB3	27775	29045	1.22%	0.097%
42	18.959	2754	2758	2760	rBV2	31067	41558	1.75%	0.139%
43	19.159	2783	2792	2796	rBV	1287952	1830959	76.99%	6.126%
44	19.242	2803	2806	2815	rVB2	53980	95549	4.02%	0.320%
45	19.353	2821	2825	2826	rBV2	68210	77954	3.28%	0.261%
46	19.383	2826	2830	2834	rVV	1292242	1464402	61.58%	4.899%
47	19.501	2844	2850	2851	rBV2	69513	119788	5.04%	0.401%
48	19.636	2869	2873	2875	rBV4	63944	103963	4.37%	0.348%
49	19.671	2876	2879	2884	rVB	104182	138691	5.83%	0.464%
50	19.730	2886	2889	2893	rBV2	72797	81615	3.43%	0.273%
51	19.771	2893	2896	2900	rVB	62374	71634	3.01%	0.240%
52	19.830	2900	2906	2910	rBV2	128223	213893	8.99%	0.716%
53	19.965	2926	2929	2933	rVB2	69316	83415	3.51%	0.279%
54	20.012	2934	2937	2942	rBV4	70069	105625	4.44%	0.353%
55	20.236	2971	2975	2978	rBV	102598	130568	5.49%	0.437%
56	20.295	2982	2985	2990	rVV2	114992	159663	6.71%	0.534%
57	20.342	2991	2993	2997	rVB4	38840	35944	1.51%	0.120%
58	20.430	3004	3008	3014	rVB	129968	174655	7.34%	0.584%
59	20.589	3031	3035	3038	rBV	118761	147151	6.19%	0.492%
60	20.624	3038	3041	3044	rVV	111994	128859	5.42%	0.431%
61	20.659	3045	3047	3049	rVV	89231	96980	4.08%	0.324%
62	20.695	3049	3053	3057	rVV3	320239	507750	21.35%	1.699%
63	20.724	3057	3058	3068	rVB	121732	131470	5.53%	0.440%
64	20.895	3085	3087	3089	rBV2	52195	49465	2.08%	0.165%
65	20.942	3089	3095	3099	rVV2	1202295	2378225	100.00%	7.957%
66	20.977	3099	3101	3106	rVB	740336	792295	33.31%	2.651%
67	21.095	3118	3121	3124	rBV	57606	56621	2.38%	0.189%
68	21.136	3125	3128	3131	rBV	120961	129566	5.45%	0.433%
69	21.483	3184	3187	3190	rVB	180446	189909	7.99%	0.635%
70	21.530	3192	3195	3196	rBV	75433	78795	3.31%	0.264%
71	21.553	3197	3199	3208	rVB3	107634	168550	7.09%	0.564%

LSC Area Percent Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

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_M\METHODS\8270-BM070820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	22.412	3339	3345	3356	rBV	805187	2201743	92.58%	7.366%
73	22.559	3367	3370	3376	rBV	126511	182375	7.67%	0.610%
74	22.830	3412	3416	3425	rVB	525370	881919	37.08%	2.951%
75	22.918	3426	3431	3438	rBV	716074	1229466	51.70%	4.113%
76	23.006	3440	3446	3450	rBV	763677	1239924	52.14%	4.148%
77	24.994	3779	3784	3793	rVB	388540	848270	35.67%	2.838%
78	25.600	3882	3887	3896	rVB2	290226	718542	30.21%	2.404%

Sum of corrected areas: 29888918

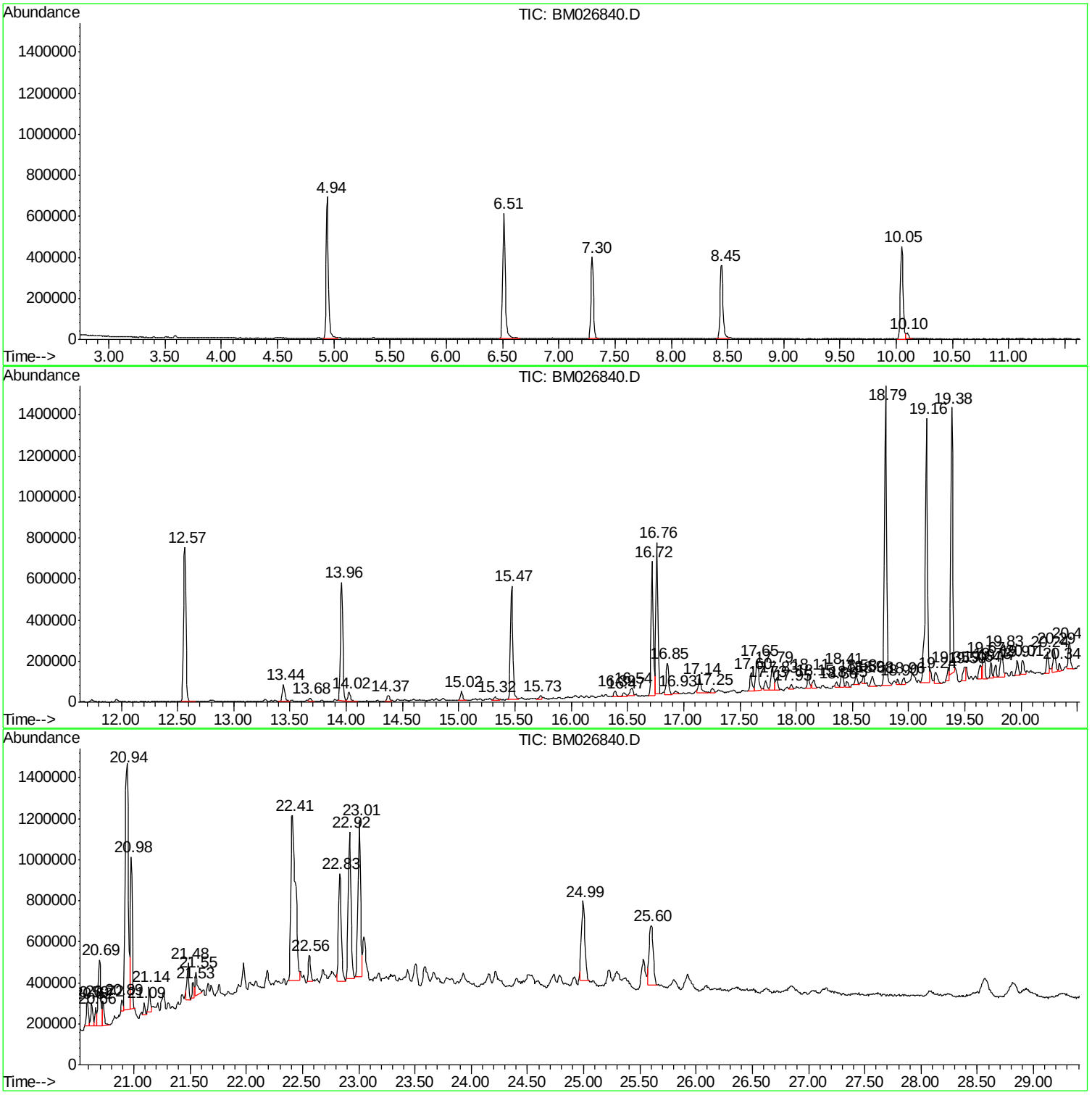
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
Data File : BM026840.D
Acq On : 22 Jul 2020 19:53
Operator : JU/CG
Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.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 M\DATA\BM072220\
Data File : BM026840.D
Acq On : 22 Jul 2020 19:53
Operator : JU/CG
Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

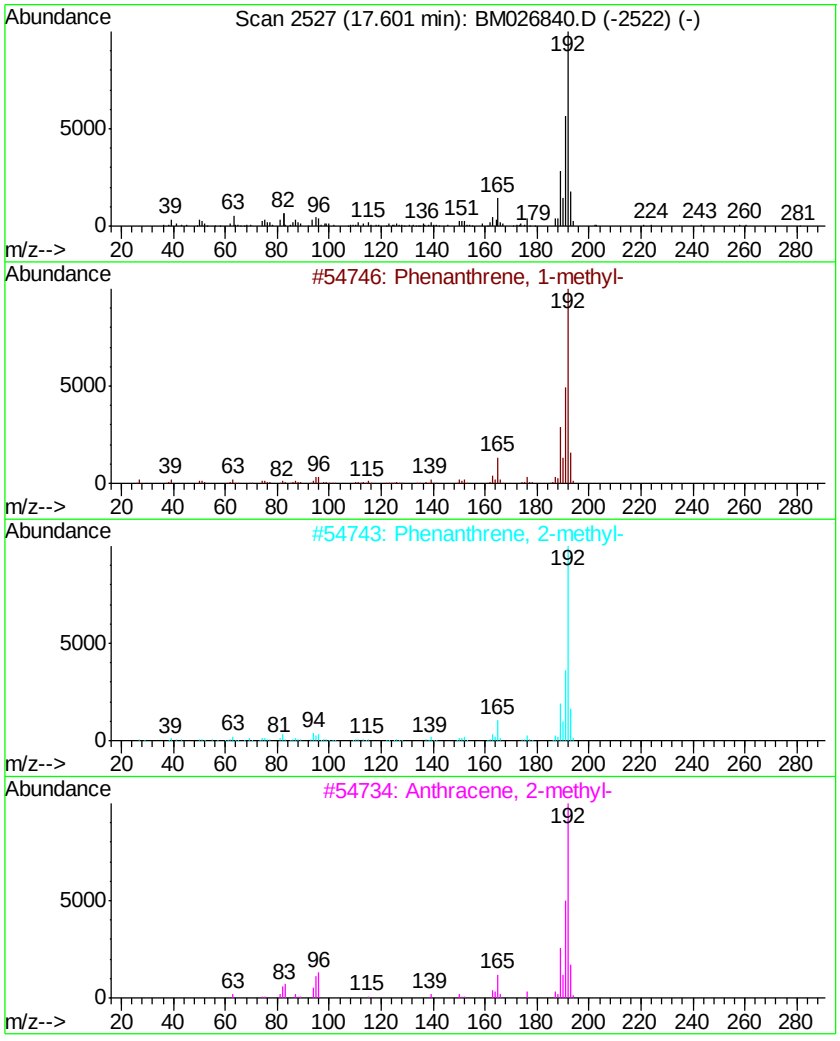
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

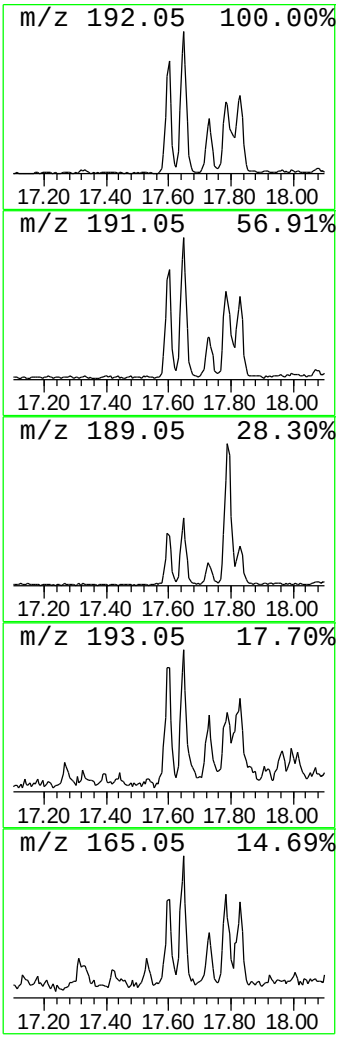
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	2.77 ng	124241	Phenanthrene-d10	16.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
Data File : BM026840.D
Acq On : 22 Jul 2020 19:53
Operator : JU/CG
Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

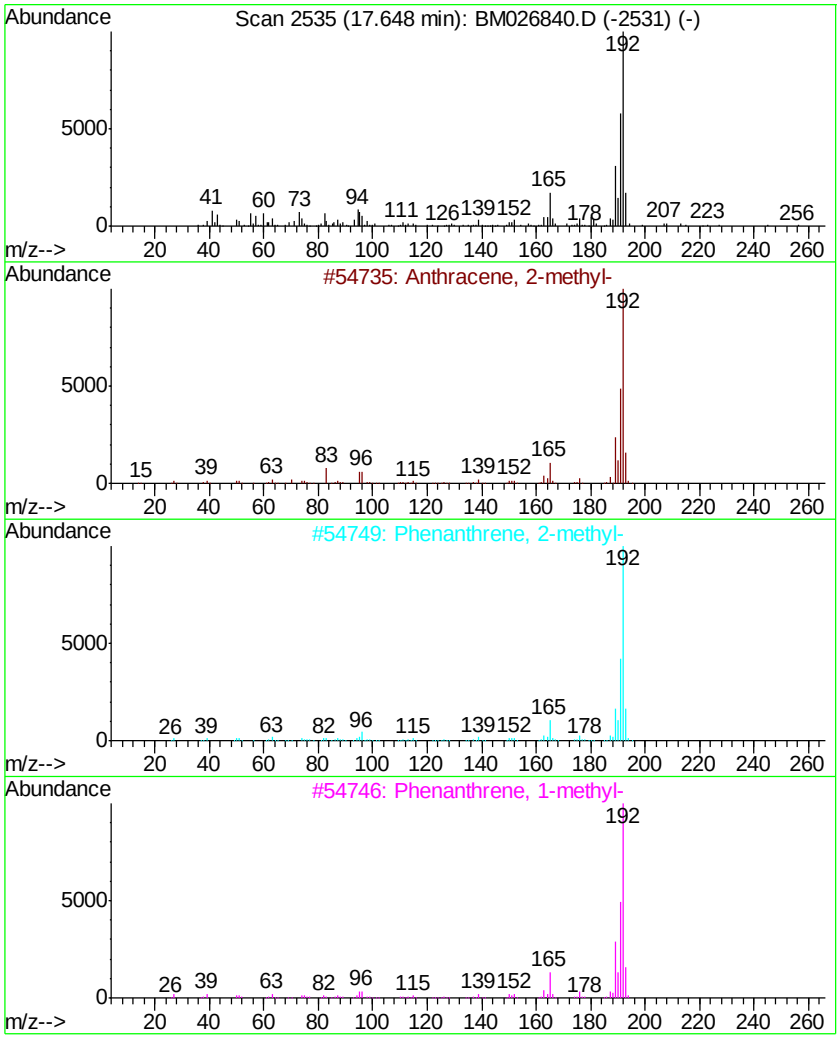
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

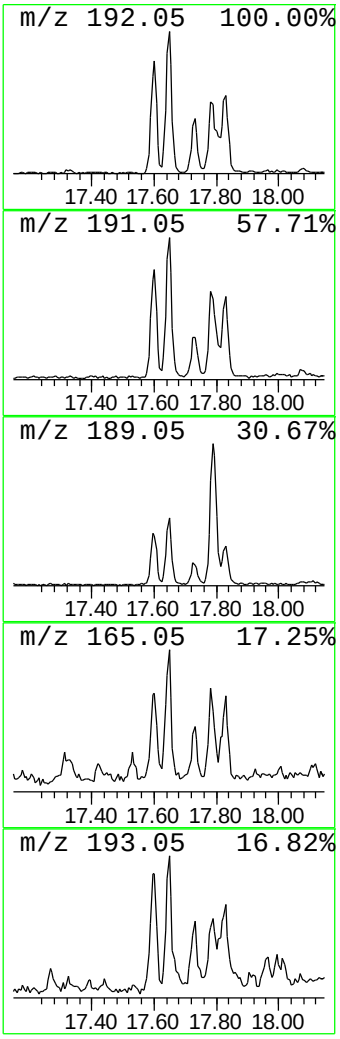
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	6.14 ng	275303	Phenanthrene-d10	16.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
Data File : BM026840.D
Acq On : 22 Jul 2020 19:53
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Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.M
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TIC Library : C:\DATABASE\NIST11.L
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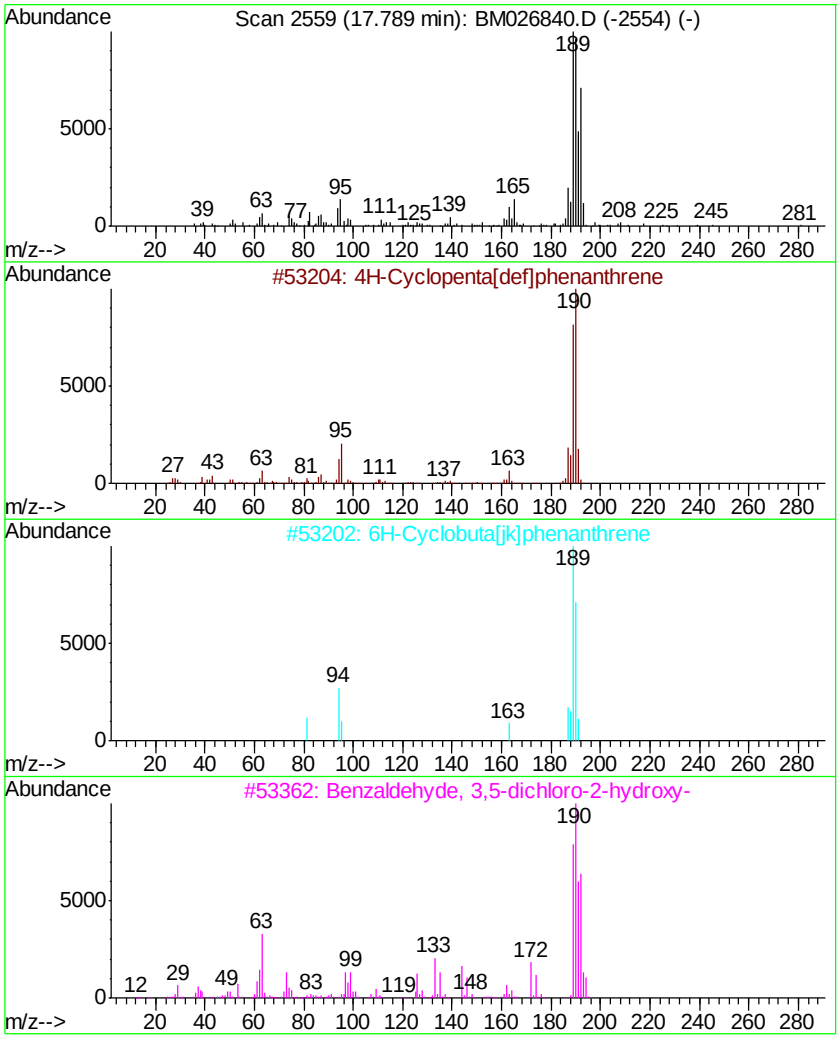
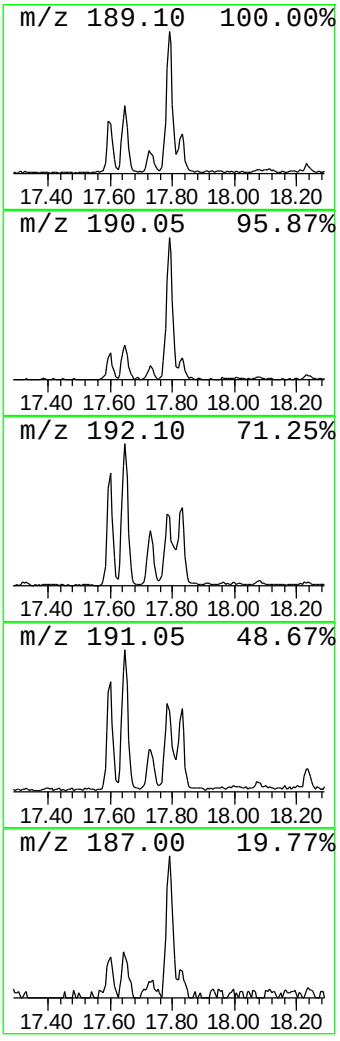
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	4.46 ng	200055	Phenanthrene-d10	16.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	30
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





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Instrument : BNA_M
ClientSampleId : 52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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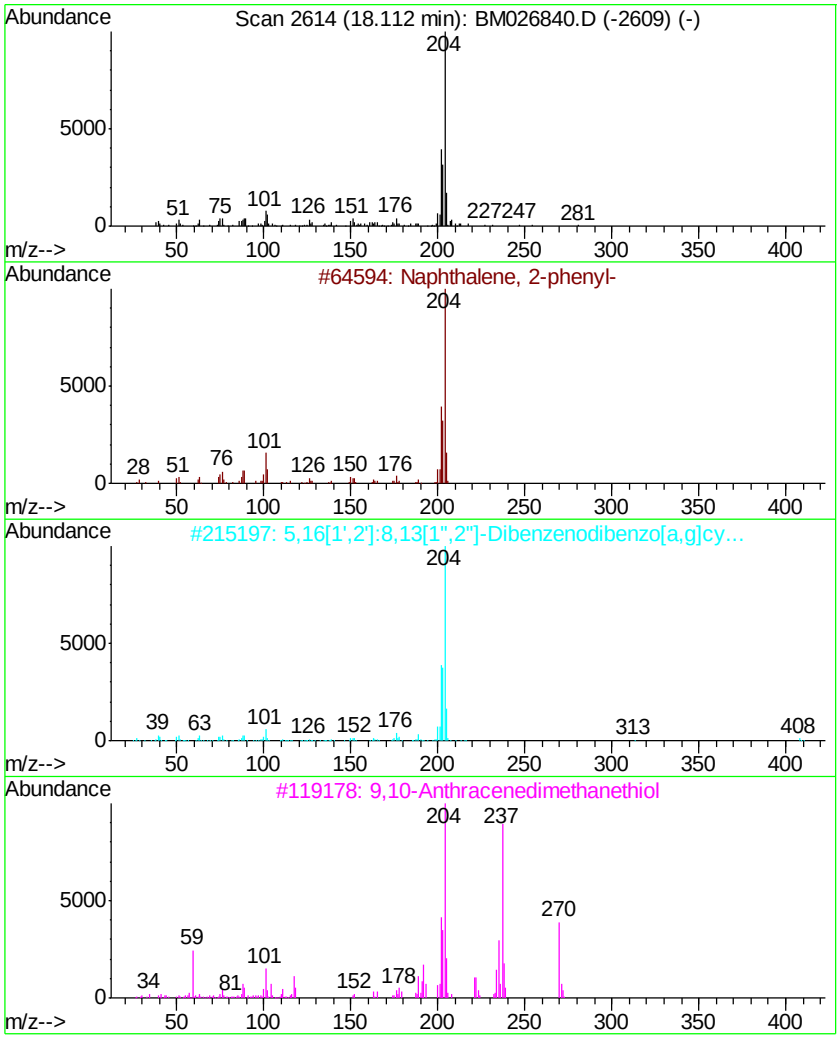
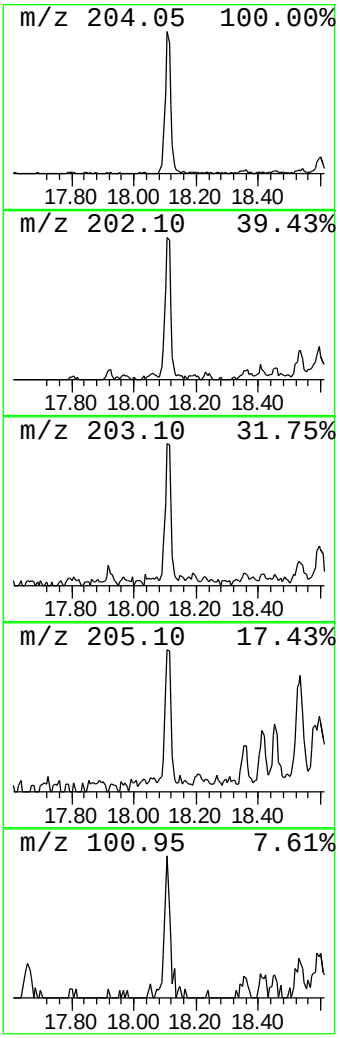
Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	2.04 ng	91382	Phenanthrene-d10	16.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	9,10-Anthracenedimethanethiol	270	C16H14S2	059045-59-9	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

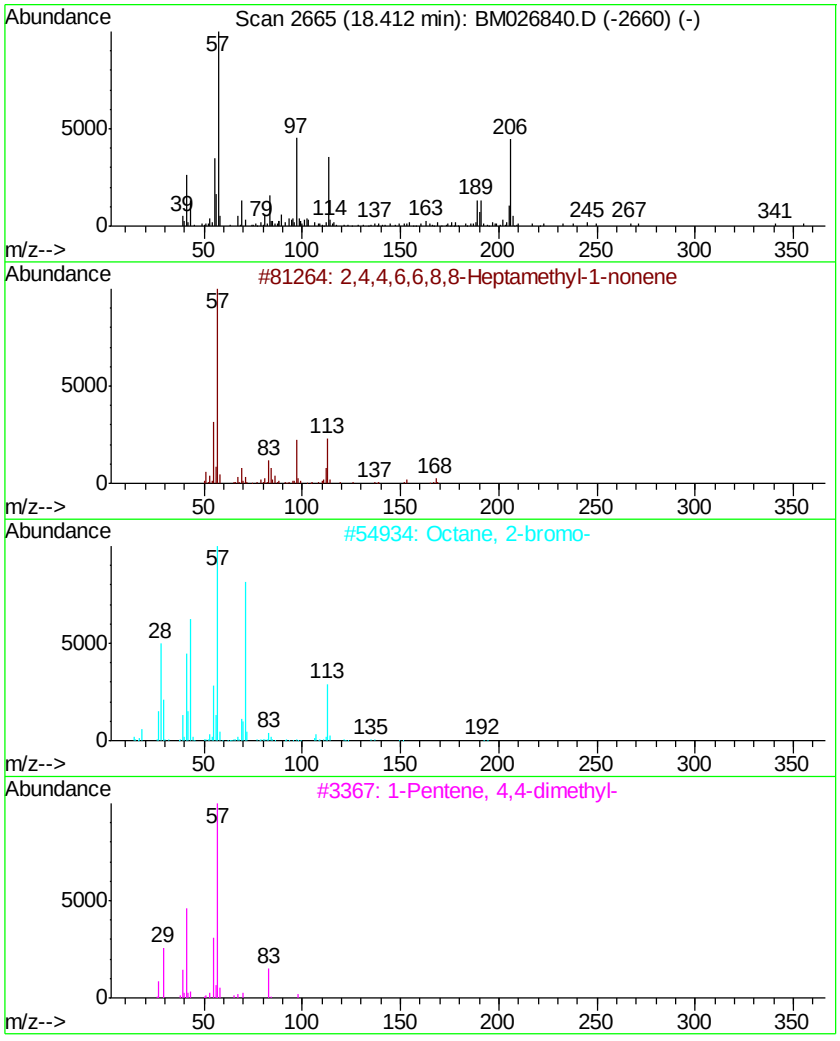
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

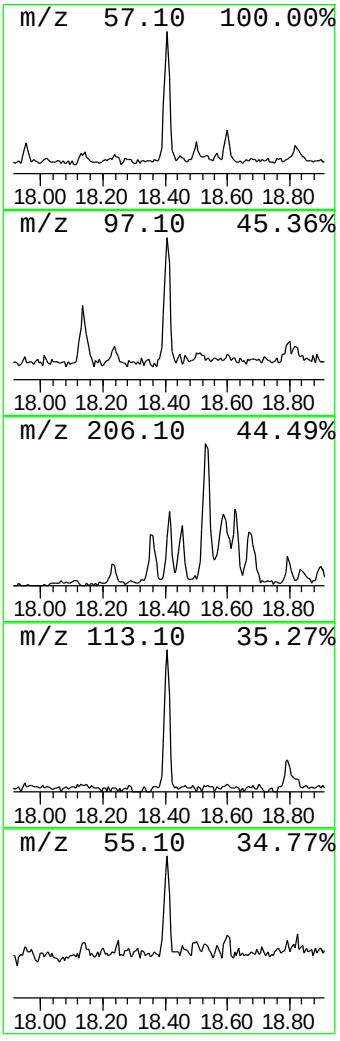
****

Peak Number 5 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	2.61 ng	116830	Phenanthrene-d10	16.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	50
2	Octane, 2-bromo-	192	C8H17Br	000557-35-7	27
3	1-Pentene, 4,4-dimethyl-	98	C7H14	000762-62-9	25
4	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	25
5	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	25





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Instrument : BNA_M
ClientSampleId : 52-09-57

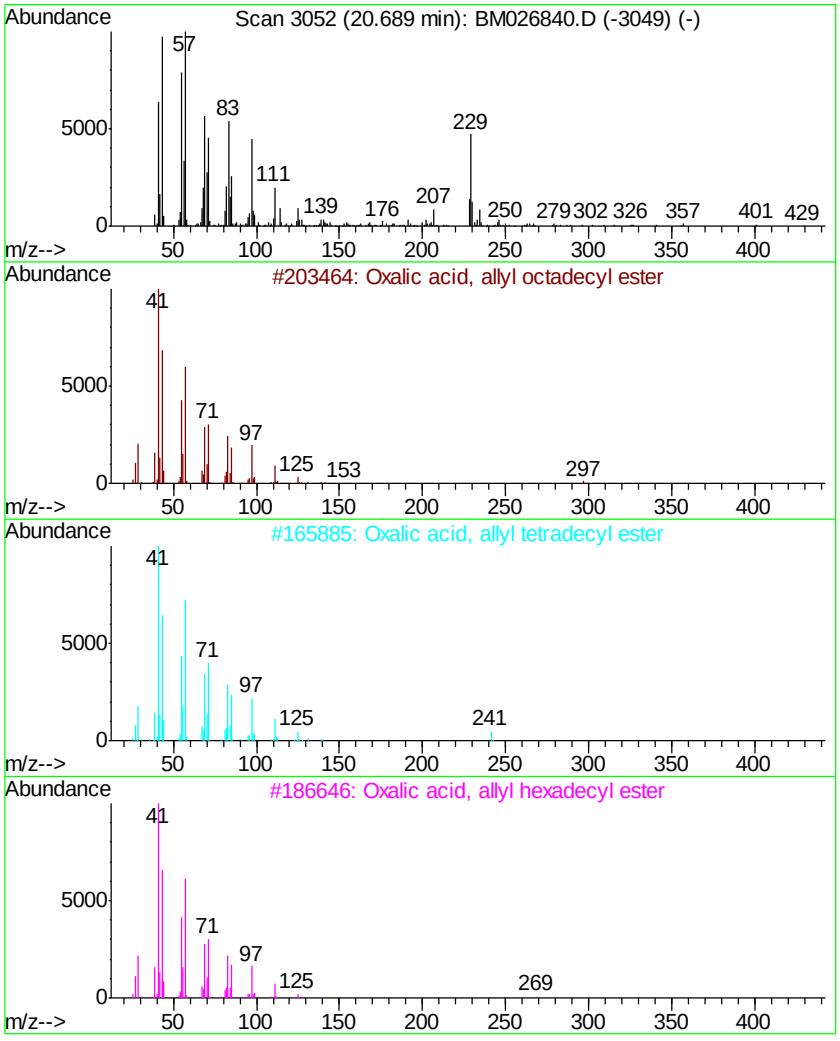
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

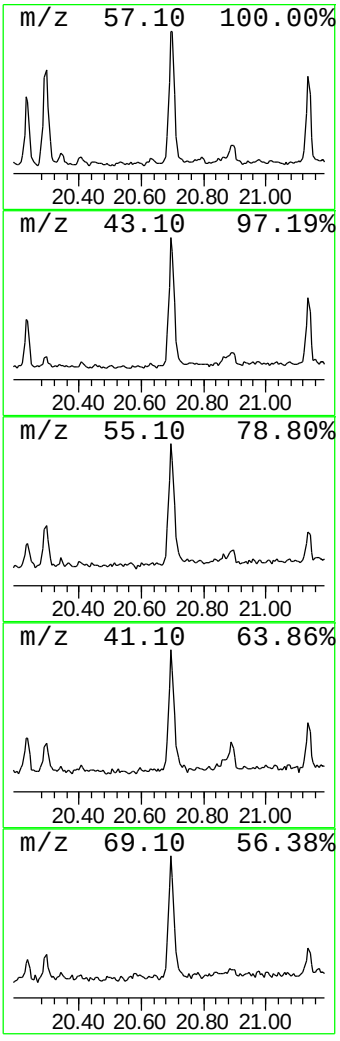
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Oxalic acid, allyl octadecy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	4.27 ng	507750	Chrysene-d12	20.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	91
2	Oxalic acid, allyl tetradecyl ester	326	C19H34O4	1000309-24-2	91
3	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	91
4	Tetratriacontyl trifluoroacetate	591	C36H69F3O2	1000351-75-3	90
5	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
Data File : BM026840.D
Acq On : 22 Jul 2020 19:53
Operator : JU/CG
Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

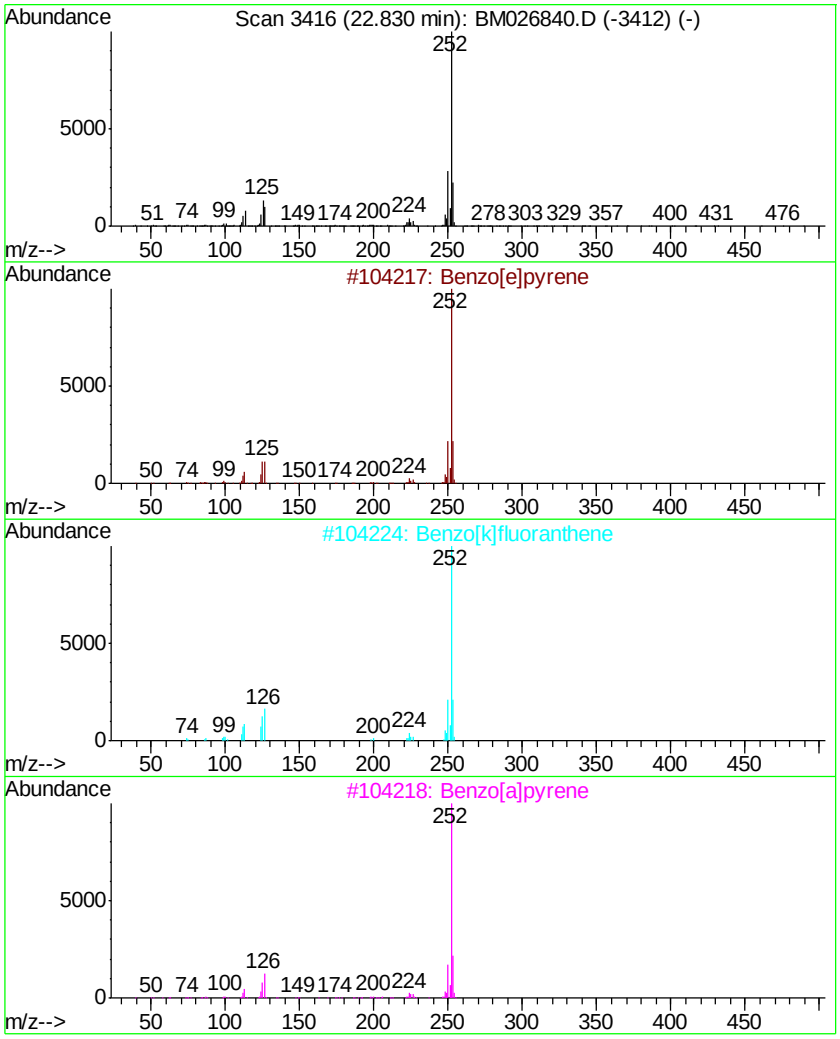
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

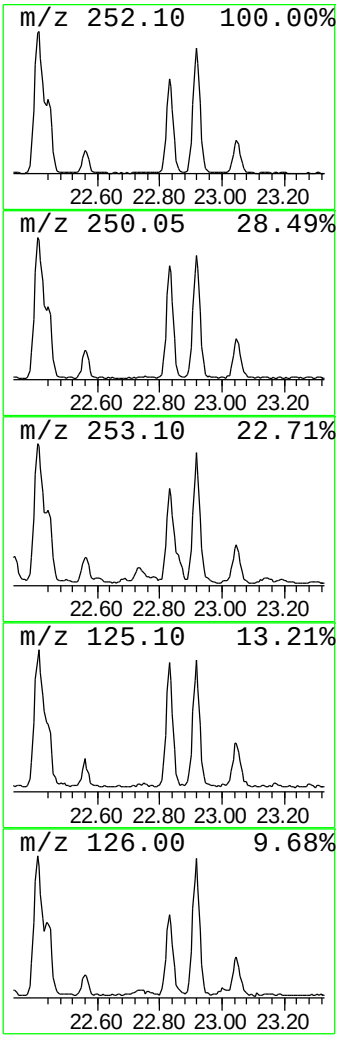
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	14.23 ng	881919	Perylene-d12	23.01

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	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072220\
Data File : BM026840.D
Acq On : 22 Jul 2020 19:53
Operator : JU/CG
Sample : L3365-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 52-09-57

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070820.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...	17.60	2.8	ng	124241	4	16.72	896467	20.0
Anthracene, 2-met...	17.65	6.1	ng	275303	4	16.72	896467	20.0
4H-Cyclopenta[def...	17.79	4.5	ng	200055	4	16.72	896467	20.0
Naphthalene, 2-ph...	18.11	2.0	ng	91382	4	16.72	896467	20.0
2,4,4,6,6,8,8-Hep...	18.41	2.6	ng	116830	4	16.72	896467	20.0
Oxalic acid, ally...	20.69	4.3	ng	507750	5	20.94	2378230	20.0
Benzo[e]pyrene	22.83	14.2	ng	881919	6	23.01	1239920	20.0