LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
Operator : JU/SJ
Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.584	21	25	35	rVB	40953	61546	1.18%	0.085%
2	4.167	119	124	134	rBV	23495	37043	0.71%	0.051%
3	5.402	326	334	340	rBV2	53064	93651	1.79%	0.130%
4	6.414	498	506	517	rVB2	18329	34177	0.65%	0.047%
5	7.549	693	699	715	rBV	638288	1123296	21.48%	1.557%
6	7.713	719	727	736	rVV	627348	981469	18.77%	1.361%
7	7.931	755	764	772	rBV	622545	1014711	19.41%	1.407%
8	8.408	838	845	859	rBV	649542	1067944	20.43%	1.481%
9	9.119	959	966	974	rBV	799593	1321233	25.27%	1.832%
10	9.590	1038	1046	1055	rBV	706179	1168724	22.35%	1.620%
11	9.943	1100	1106	1111	rVB	23123	33261	0.64%	0.046%
12	10.319	1162	1170	1179	rBV	425308	719376	13.76%	0.997%
13	10.866	1256	1263	1276	rBV	675176	1173318	22.44%	1.627%
14	11.249	1320	1328	1334	rBV	942467	1624025	31.06%	2.252%
15	11.296	1334	1336	1342	rVB	28931	40100	0.77%	0.056%
16	11.378	1342	1350	1360	rBV	792259	1398522	26.75%	1.939%
17	13.819	1759	1765	1770	rBV	32756	45460	0.87%	0.063%
18	14.413	1858	1866	1871	rVV	1494892	2158849	41.29%	2.993%
19	14.460	1871	1874	1879	rVV	287308	379125	7.25%	0.526%
20	14.725	1913	1919	1930	rVV	1805057	2739359	52.39%	3.798%
21	14.878	1940	1945	1953	rVB	94877	118331	2.26%	0.164%
22	15.031	1964	1971	1977	rBV2	1308638	2055160	39.31%	2.849%
23	15.090	1977	1981	1987	rVB	109406	152530	2.92%	0.211%
24	15.419	2032	2037	2044	rVB	54509	81174	1.55%	0.113%
25	15.490	2044	2049	2057	rBV4	21208	37298	0.71%	0.052%
26	15.772	2092	2097	2100	rBV	27496	37344	0.71%	0.052%
27	15.819	2100	2105	2109	rVB2	115879	150061	2.87%	0.208%
28	16.013	2131	2138	2143	rBV	2110878	3166635	60.57%	4.390%
29	16.066	2143	2147	2151	rVB	93809	132545	2.54%	0.184%
30	16.225	2164	2174	2176	rBV3	36391	79688	1.52%	0.110%
31	16.672	2245	2250	2258	rBV	100919	174987	3.35%	0.243%
32	17.060	2311	2316	2321	rVB4	17244	33671	0.64%	0.047%
33	17.460	2379	2384	2388	rBV2	64828	87250	1.67%	0.121%
34	17.507	2388	2392	2396	rVV3	26374	43324	0.83%	0.060%

LSC Area Percent Report

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Data File : BN000652.D
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Operator : JU/SJ
Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Title : SVOA CALIBRATION

35	17.572	2399	2403	2409	rVB	56604	77212	1.48%	0.107%
36	17.754	2427	2434	2438	rBV	1596152	2412185	46.14%	3.344%
37	17.795	2438	2441	2446	rVB	1108523	1437381	27.49%	1.993%
38	17.854	2446	2451	2455	rBV2	2196121	3246989	62.10%	4.502%
39	17.942	2462	2466	2471	rVB	34548	54665	1.05%	0.076%
40	18.148	2493	2501	2506	rVV2	183524	314768	6.02%	0.436%
41	18.189	2506	2508	2515	rVB	45326	52971	1.01%	0.073%
42	18.613	2571	2580	2584	rBV	129073	221677	4.24%	0.307%
43	18.660	2584	2588	2596	rVB	176554	257407	4.92%	0.357%
44	18.742	2596	2602	2607	rVB	71415	100999	1.93%	0.140%
45	18.813	2607	2614	2618	rBV	211381	378416	7.24%	0.525%
46	18.954	2634	2638	2642	rVV2	29211	43605	0.83%	0.060%
47	19.095	2658	2662	2667	rVV	108181	148963	2.85%	0.207%
48	19.148	2667	2671	2679	rVB2	45102	70430	1.35%	0.098%
49	19.336	2700	2703	2708	rVB2	31069	43706	0.84%	0.061%
50	19.389	2708	2712	2715	rBV2	27651	33213	0.64%	0.046%
51	19.431	2715	2719	2725	rVB2	27030	37283	0.71%	0.052%
52	19.507	2726	2732	2736	rBV3	52320	106974	2.05%	0.148%
53	19.654	2752	2757	2765	rVB3	37526	74702	1.43%	0.104%
54	19.778	2769	2778	2784	rBV	2668767	3626172	69.36%	5.027%
55	19.872	2789	2794	2797	rBV2	52246	77862	1.49%	0.108%
56	19.960	2805	2809	2811	rBV3	29364	36834	0.70%	0.051%
57	19.995	2811	2815	2817	rVV2	79754	114979	2.20%	0.159%
58	20.019	2817	2819	2828	rVB	94897	149682	2.86%	0.208%
59	20.107	2828	2834	2837	rBV3	2720856	4377911	83.73%	6.069%
60	20.136	2837	2839	2846	rVV	2369570	2975549	56.91%	4.125%
61	20.195	2846	2849	2857	rVB3	96162	139591	2.67%	0.194%
62	20.307	2863	2868	2872	rBV	138955	178144	3.41%	0.247%
63	20.378	2875	2880	2885	rVB	117331	195688	3.74%	0.271%
64	20.448	2886	2892	2898	rBV3	128999	289001	5.53%	0.401%
65	20.507	2898	2902	2907	rBV	72217	95015	1.82%	0.132%
66	20.619	2908	2921	2928	rBV2	373762	768496	14.70%	1.065%
67	20.713	2932	2937	2941	rBV	351444	466760	8.93%	0.647%
68	20.778	2941	2948	2951	rVV2	190509	340537	6.51%	0.472%
69	20.807	2951	2953	2957	rVB	91484	96556	1.85%	0.134%
70	20.848	2957	2960	2964	rVB3	40654	63150	1.21%	0.088%
71	20.913	2967	2971	2974	rBV	105017	139916	2.68%	0.194%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Title : SVOA CALIBRATION

72	20.966	2974	2980	2989	rVB2	1197901	1617844	30.94%	2.243%
73	21.307	3035	3038	3042	rBV3	60134	95761	1.83%	0.133%
74	21.354	3042	3046	3052	rVB	142770	208300	3.98%	0.289%
75	21.519	3069	3074	3077	rBV	255070	373533	7.14%	0.518%
76	21.554	3077	3080	3084	rVB	205701	250821	4.80%	0.348%
77	21.601	3084	3088	3092	rBV2	281903	398897	7.63%	0.553%
78	21.754	3107	3114	3119	rBV2	93720	247683	4.74%	0.343%
79	21.872	3124	3134	3139	rVV3	2144945	5228325	100.00%	7.248%
80	21.913	3139	3141	3150	rVB	1447307	1925419	36.83%	2.669%
81	22.042	3159	3163	3169	rBV	305776	446070	8.53%	0.618%
82	22.101	3170	3173	3176	rVV3	80122	130921	2.50%	0.182%
83	22.154	3180	3182	3187	rVB	110747	147099	2.81%	0.204%
84	22.213	3188	3192	3197	rVV	235680	335343	6.41%	0.465%
85	22.466	3228	3235	3240	rVB	193292	369242	7.06%	0.512%
86	22.524	3241	3245	3251	rVB	115911	172673	3.30%	0.239%
87	22.642	3261	3265	3269	rVB2	89202	134323	2.57%	0.186%
88	22.689	3269	3273	3276	rBV4	103424	182744	3.50%	0.253%
89	22.789	3286	3290	3297	rVB	107265	163536	3.13%	0.227%
90	23.319	3376	3380	3387	rVB	78309	159661	3.05%	0.221%
91	23.507	3408	3412	3420	rVB4	109841	212163	4.06%	0.294%
92	23.601	3421	3428	3434	rBV	1041038	2643955	50.57%	3.666%
93	23.789	3455	3460	3472	rVB	192294	375862	7.19%	0.521%
94	24.142	3513	3520	3524	rBV	643144	1314412	25.14%	1.822%
95	24.195	3524	3529	3534	rVV2	1052857	2256346	43.16%	3.128%
96	24.248	3534	3538	3548	rVB	844296	1592061	30.45%	2.207%
97	24.354	3549	3556	3562	rVV	770620	1607041	30.74%	2.228%
98	24.407	3562	3565	3573	rVB2	248660	490521	9.38%	0.680%
99	26.907	3981	3990	4002	rVB2	388646	1228003	23.49%	1.702%
100	27.701	4116	4125	4140	rVB	295541	1011405	19.34%	1.402%

Sum of corrected areas: 72130540

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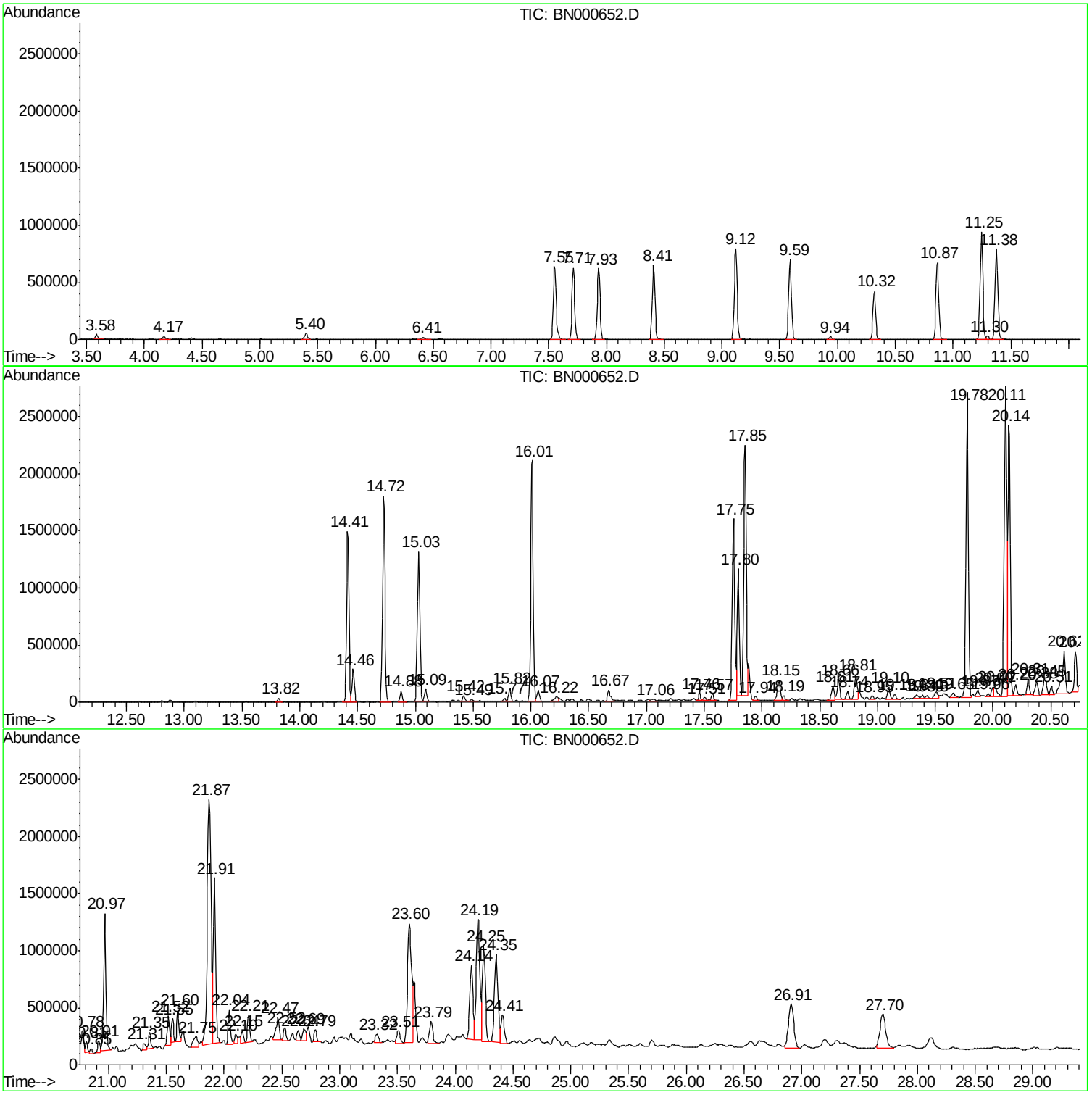
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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Quant Title : SVOA CALIBRATION

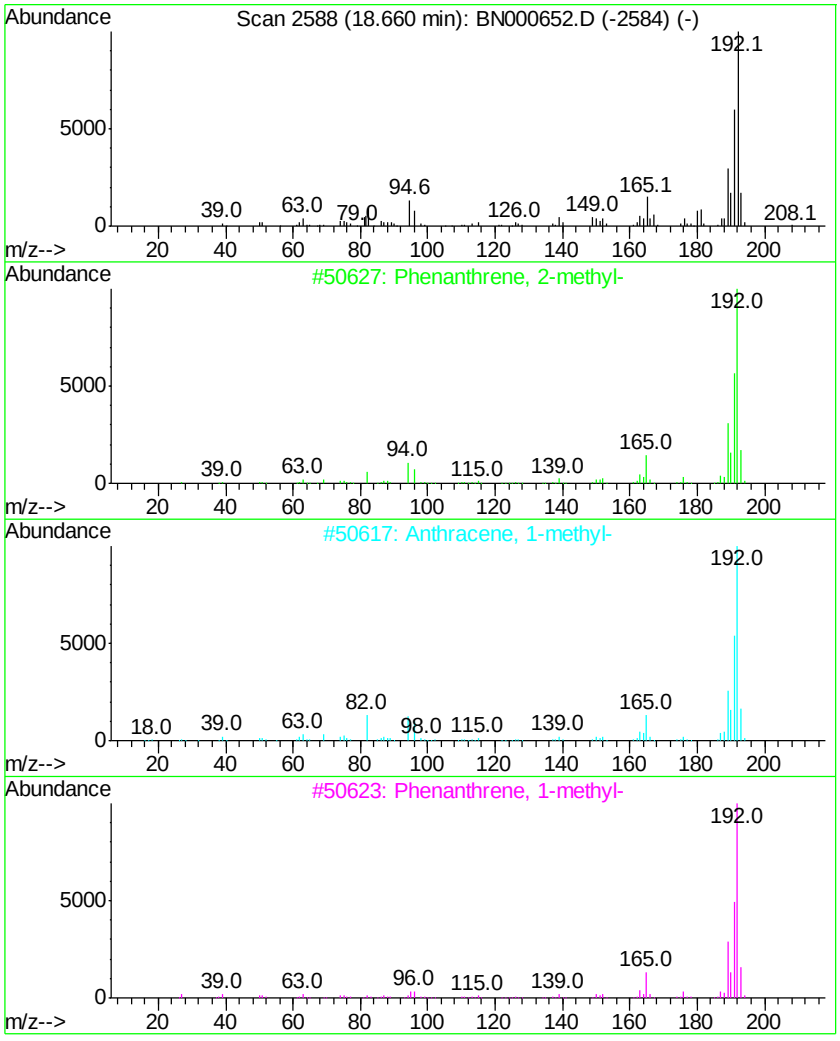
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

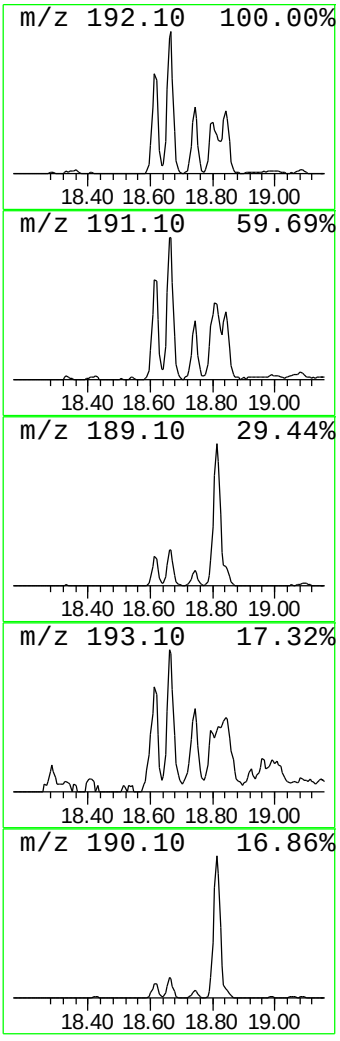
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.13 ng/ul	257407	Phenanthrene-d10	17.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
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Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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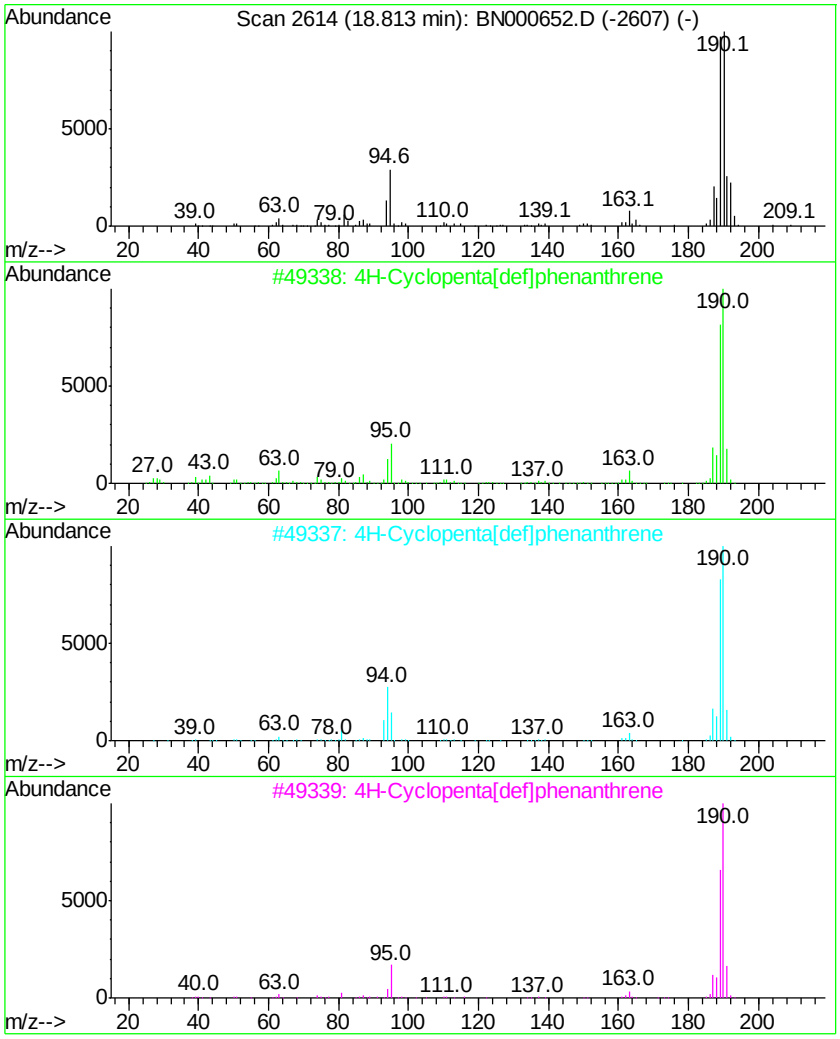
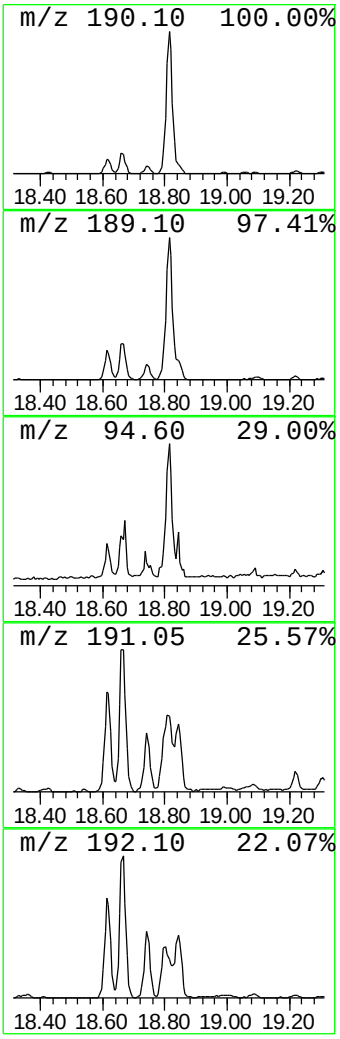
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.14 ng/ul	378416	Phenanthrene-d10	17.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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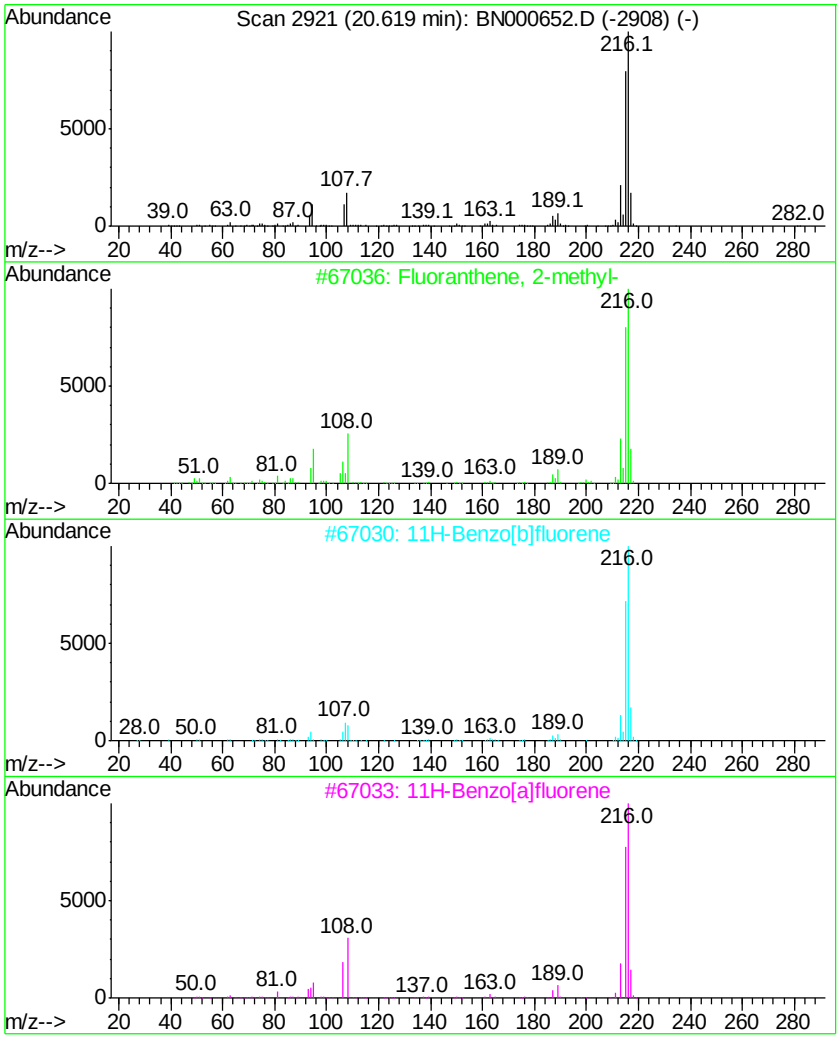
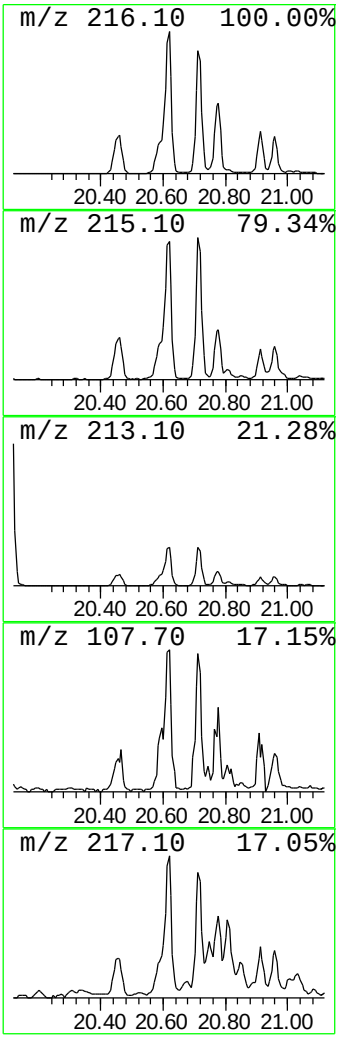
Peak Number 3 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	2.94 ng/ul	768496	Chrysene-d12	21.88

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





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Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
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Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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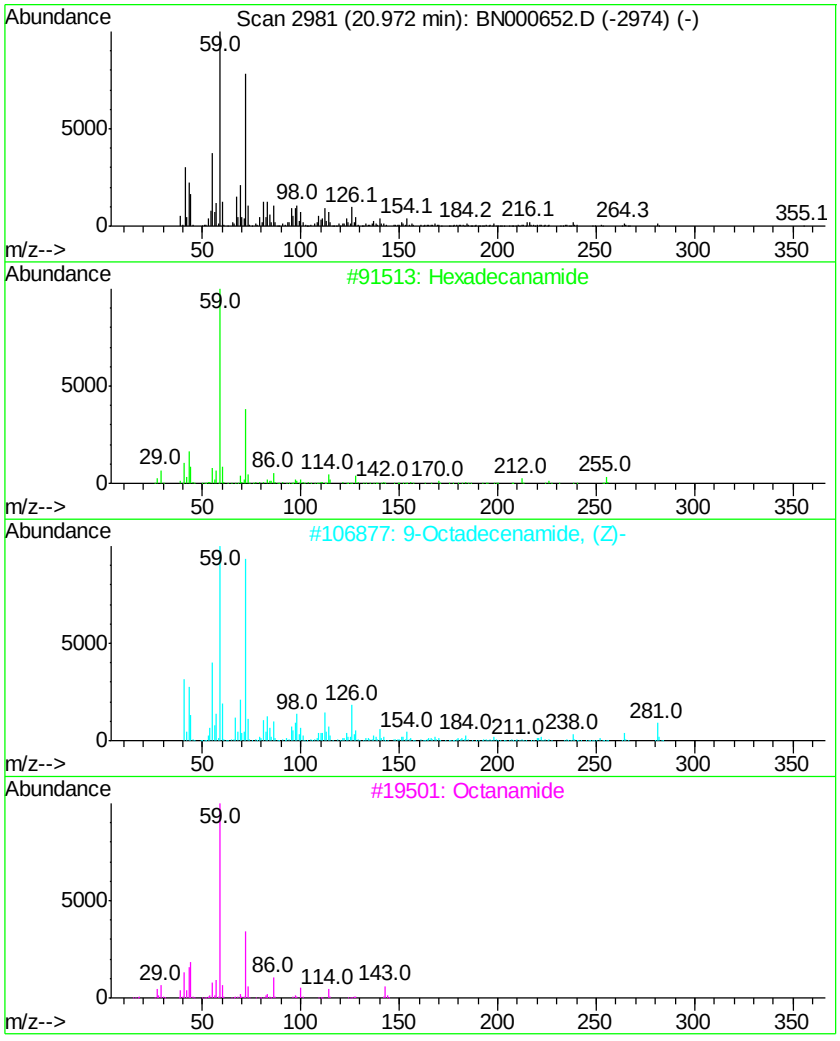
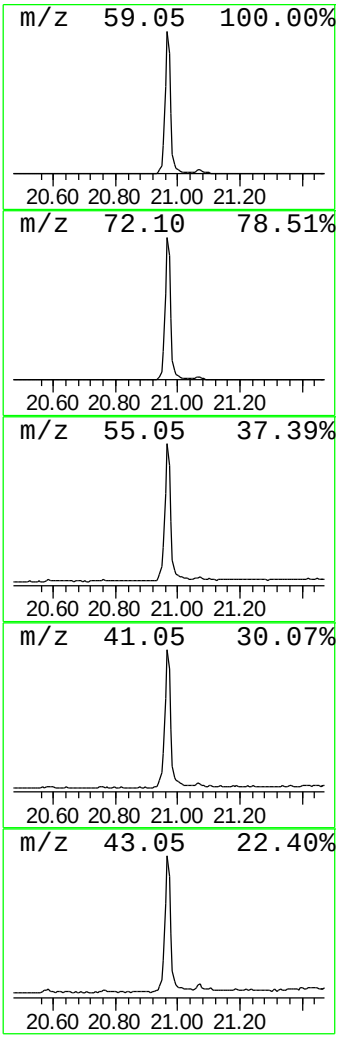
Peak Number 4 Hexadecanamide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	6.19 ng/ul	1617840	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanamide	255	C16H33NO	000629-54-9	50
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	46
3	Octanamide	143	C8H17NO	000629-01-6	43
4	Nonanamide	157	C9H19NO	001120-07-6	43
5	Hexadecanamide	255	C16H33NO	000629-54-9	40





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Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

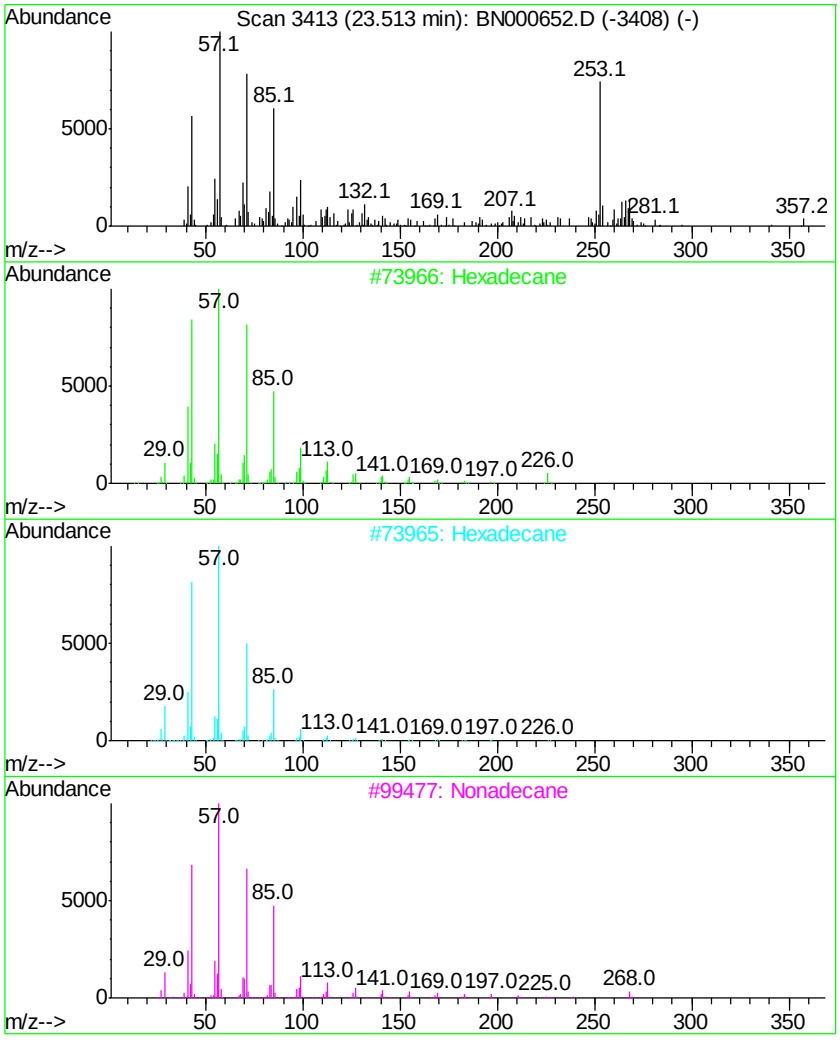
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

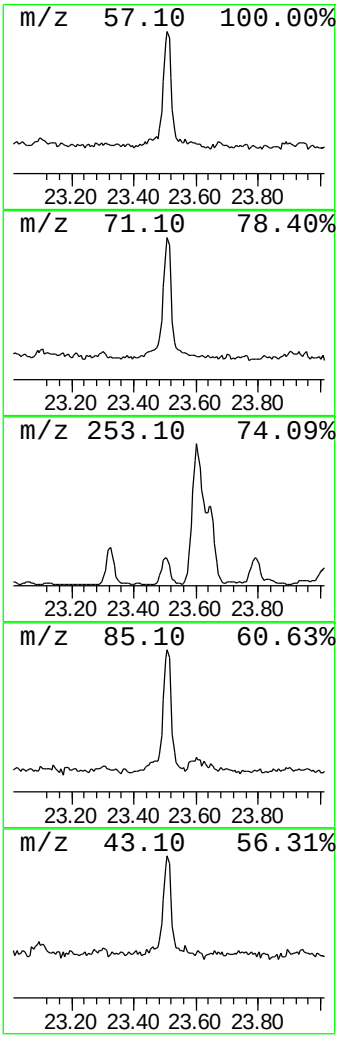
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	2.64 ng/ul	212163	Perylene-d12	24.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	60
2	Hexadecane	226	C16H34	000544-76-3	42
3	Nonadecane	268	C19H40	000629-92-5	42
4	Nonadecane	268	C19H40	000629-92-5	38
5	Pentacosane	352	C25H52	000629-99-2	30





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Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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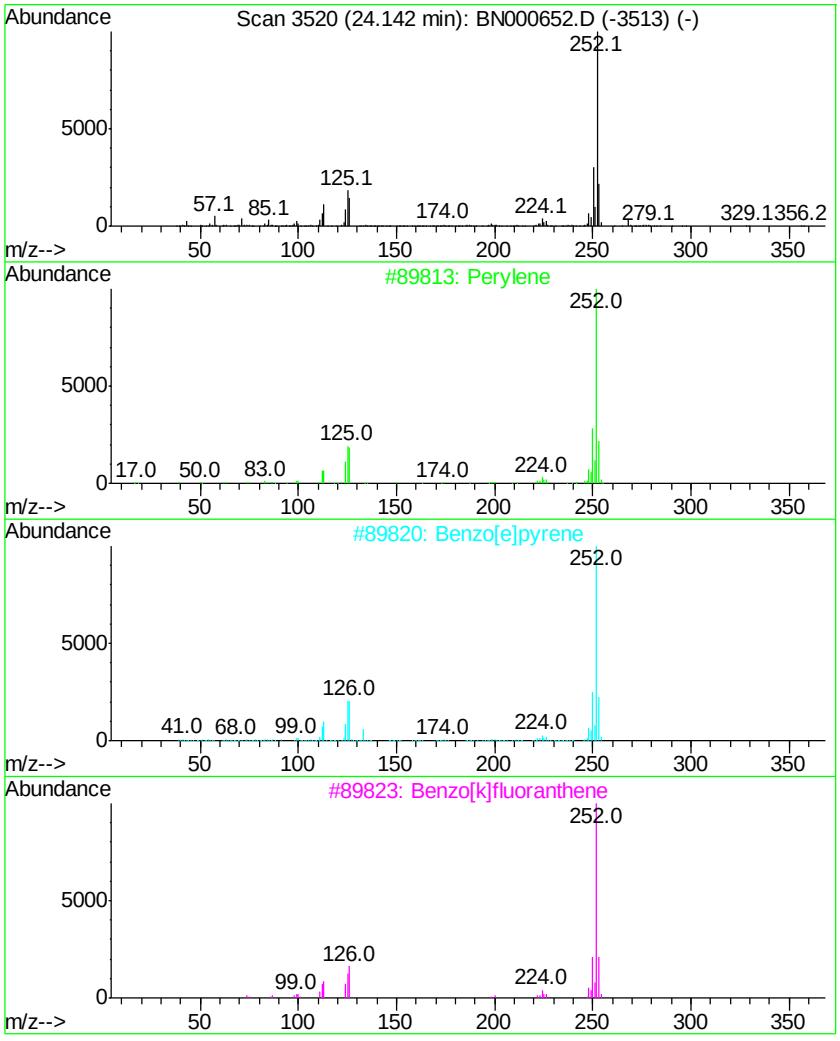
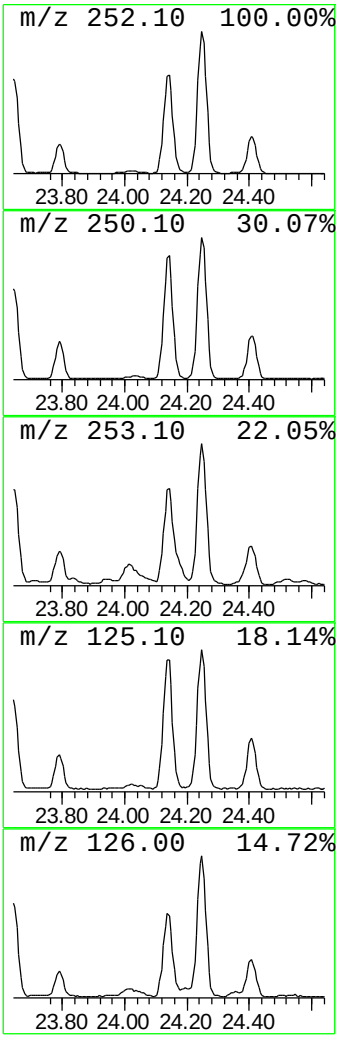
Peak Number 7 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	16.36 ng/ul	1314410	Perylene-d12	24.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benzo[e]pyrene	252	C20H12	000192-97-2	98
5	Perylene	252	C20H12	000198-55-0	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
Operator : JU/SJ
Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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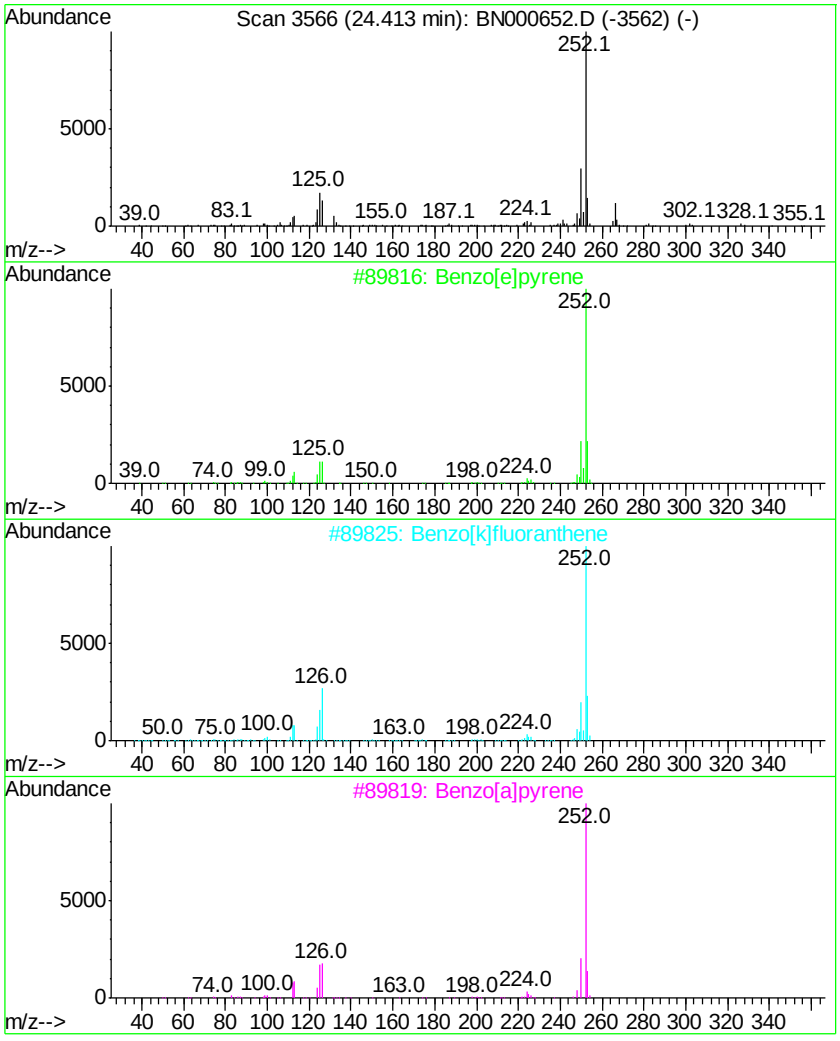
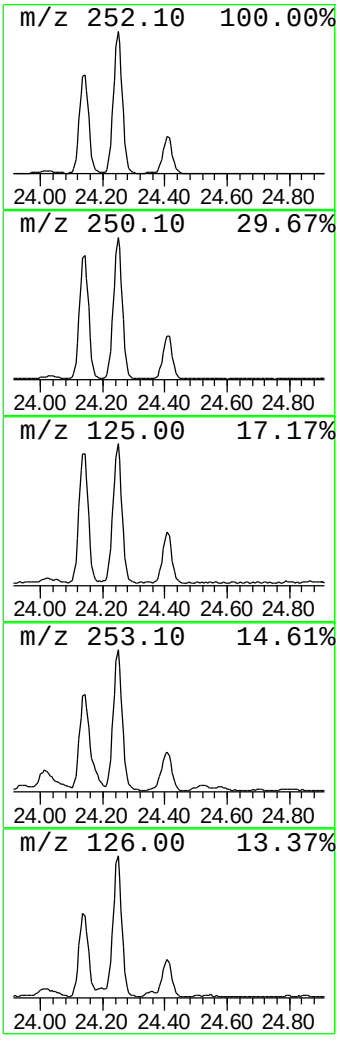
Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.41	6.10 ng/ul	490521	Perylene-d12	24.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	92
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[a]pyrene	252	C20H12	000050-32-8	86
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN032718\
Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
Operator : JU/SJ
Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AT2

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2-m...	18.66	2.1	ng/ul	257407	4	17.75	2412190	20.0
4H-Cyclopenta[def...	18.81	3.1	ng/ul	378416	4	17.75	2412190	20.0
Fluoranthene, 2-m...	20.62	2.9	ng/ul	768496	5	21.88	5228330	20.0
Hexadecanamide	20.97	6.2	ng/ul	1617840	5	21.88	5228330	20.0
(DEL) Alkane: Str...	23.51	2.6	ng/ul	212163	6	24.35	1607040	20.0
Perylene	24.14	16.4	ng/ul	1314410	6	24.35	1607040	20.0
Benzo[e]pyrene	24.41	6.1	ng/ul	490521	6	24.35	1607040	20.0