

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
 Data File : BN005950.D
 Acq On : 30 May 2019 02:37
 Operator : JU/SJ
 Sample : K2928-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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	3.265	16	19	26	rVB	78386	100708	1.04%	0.061%
2	3.771	101	105	112	rVV	270521	360015	3.72%	0.219%
3	3.895	121	126	133	rVB	144791	221906	2.29%	0.135%
4	4.871	287	292	300	rVB	180756	275468	2.85%	0.167%
5	4.965	304	308	314	rVB2	52329	76241	0.79%	0.046%
6	6.612	581	588	593	rBV	44220	72441	0.75%	0.044%
7	6.906	628	638	654	rVB	1435708	2460170	25.44%	1.494%
8	7.071	656	666	679	rVB	1228142	2016505	20.85%	1.224%
9	7.271	693	700	708	rBV	1540589	2408241	24.91%	1.462%
10	7.736	771	779	786	rBV	2500891	4035566	41.73%	2.450%
11	8.436	891	898	906	rVV	1421320	2285271	23.63%	1.387%
12	8.553	914	918	924	rVV	46847	76780	0.79%	0.047%
13	8.889	968	975	984	rVV	1490363	2395481	24.77%	1.454%
14	9.606	1090	1097	1105	rBV	873345	1461248	15.11%	0.887%
15	10.142	1180	1188	1199	rVB	1845214	3020316	31.24%	1.834%
16	10.524	1244	1253	1258	rBV	3669109	6061352	62.69%	3.680%
17	10.571	1258	1261	1267	rVV	257710	401959	4.16%	0.244%
18	10.659	1267	1276	1289	rVB2	1298716	2401892	24.84%	1.458%
19	11.447	1404	1410	1417	rBV2	34482	88308	0.91%	0.054%
20	12.112	1514	1523	1530	rBV3	39452	84270	0.87%	0.051%
21	12.189	1530	1536	1542	rVB	197256	306228	3.17%	0.186%
22	12.406	1565	1573	1579	rVV	138363	223367	2.31%	0.136%
23	13.206	1703	1709	1716	rBV3	92149	143042	1.48%	0.087%
24	13.406	1738	1743	1754	rVB	61384	122882	1.27%	0.075%
25	13.541	1759	1766	1767	rBV2	74751	114592	1.19%	0.070%
26	13.700	1787	1793	1798	rBV	152574	244625	2.53%	0.149%
27	13.753	1798	1802	1803	rVV	101338	122030	1.26%	0.074%
28	13.788	1803	1808	1812	rVV	3204506	4415481	45.66%	2.681%
29	13.836	1812	1816	1824	rVB	1206420	1610795	16.66%	0.978%
30	13.936	1829	1833	1837	rVV	78237	109103	1.13%	0.066%
31	14.071	1850	1856	1868	rVB	3624921	5545677	57.35%	3.367%
32	14.383	1898	1909	1915	rVV2	4995855	7701789	79.65%	4.676%
33	14.447	1915	1920	1927	rVV	661869	1042524	10.78%	0.633%
34	14.512	1927	1931	1936	rVB2	66532	92753	0.96%	0.056%

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 Title : SVOA CALIBRATION

35	14.583	1936	1943	1953	rBV	1056221	1610394	16.65%	0.978%
36	14.694	1955	1962	1965	rVV2	80934	166148	1.72%	0.101%
37	14.735	1965	1969	1972	rVV2	113565	183877	1.90%	0.112%
38	14.783	1972	1977	1985	rVV	531961	915688	9.47%	0.556%
39	14.859	1985	1990	1995	rVB	78432	121701	1.26%	0.074%
40	15.000	2006	2014	2019	rBV2	72221	165782	1.71%	0.101%
41	15.053	2019	2023	2028	rVB	80179	117788	1.22%	0.072%
42	15.177	2036	2044	2047	rBV4	74151	165762	1.71%	0.101%
43	15.206	2047	2049	2052	rVV3	57557	70997	0.73%	0.043%
44	15.377	2071	2078	2083	rVV	4539758	6467002	66.88%	3.926%
45	15.430	2083	2087	2093	rVV	718829	1085051	11.22%	0.659%
46	15.524	2097	2103	2105	rVV3	77516	159648	1.65%	0.097%
47	15.559	2105	2109	2112	rVV	118714	182499	1.89%	0.111%
48	15.594	2112	2115	2121	rVV3	140138	281219	2.91%	0.171%
49	15.641	2121	2123	2127	rVV2	67556	96990	1.00%	0.059%
50	15.682	2127	2130	2133	rVV	72974	105706	1.09%	0.064%
51	15.730	2133	2138	2147	rVB	208235	356736	3.69%	0.217%
52	15.871	2158	2162	2170	rVB	211275	432509	4.47%	0.263%
53	15.965	2171	2178	2185	rVB4	75375	176204	1.82%	0.107%
54	16.106	2198	2202	2208	rVB3	114259	180154	1.86%	0.109%
55	16.435	2247	2258	2263	rBV4	179761	487447	5.04%	0.296%
56	16.488	2263	2267	2272	rVB2	119323	171481	1.77%	0.104%
57	16.588	2281	2284	2289	rVB2	77178	117814	1.22%	0.072%
58	16.665	2295	2297	2301	rVV2	86322	127127	1.31%	0.077%
59	16.706	2301	2304	2308	rVB	125523	155357	1.61%	0.094%
60	16.788	2313	2318	2324	rVB	274796	444781	4.60%	0.270%
61	16.888	2326	2335	2341	rBV5	239752	638350	6.60%	0.388%
62	16.947	2341	2345	2355	rVB	450430	696995	7.21%	0.423%
63	17.135	2371	2377	2380	rBV	5909407	8373117	86.59%	5.083%
64	17.177	2380	2384	2389	rVV	6603754	9070384	93.80%	5.506%
65	17.229	2389	2393	2397	rVV2	4125886	6179898	63.91%	3.752%
66	17.265	2397	2399	2404	rVB	1440290	1661302	17.18%	1.009%
67	17.324	2404	2409	2414	rBV3	184627	297002	3.07%	0.180%
68	17.377	2414	2418	2421	rBV	164967	238212	2.46%	0.145%
69	17.535	2436	2445	2450	rBV2	724988	1236490	12.79%	0.751%
70	17.712	2472	2475	2479	rVB	133379	163605	1.69%	0.099%
71	17.853	2496	2499	2507	rBV2	79318	152935	1.58%	0.093%

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72	18.012	2520	2526	2528	rBV	765469	1192816	12.34%	0.724%
73	18.059	2531	2534	2539	rVB	1129283	1544885	15.98%	0.938%
74	18.141	2543	2548	2553	rVB	329335	484761	5.01%	0.294%
75	18.206	2553	2559	2563	rBV2	1038798	1908719	19.74%	1.159%
76	18.241	2563	2565	2571	rVB	516395	612352	6.33%	0.372%
77	18.359	2582	2585	2589	rBV3	229148	329508	3.41%	0.200%
78	18.512	2607	2611	2615	rBV	561470	755086	7.81%	0.458%
79	18.553	2615	2618	2623	rVB	467319	624134	6.45%	0.379%
80	18.635	2630	2632	2639	rBV3	85918	156780	1.62%	0.095%
81	18.759	2650	2653	2658	rVV	189472	239708	2.48%	0.146%
82	18.812	2659	2662	2665	rVV	161007	203511	2.10%	0.124%
83	18.853	2665	2669	2672	rVB2	148847	207317	2.14%	0.126%
84	18.935	2678	2683	2687	rBV	381076	634604	6.56%	0.385%
85	19.076	2703	2707	2715	rBV3	292051	530570	5.49%	0.322%
86	19.200	2723	2728	2734	rVB	6304632	8095645	83.72%	4.915%
87	19.300	2742	2745	2751	rBV2	158375	270488	2.80%	0.164%
88	19.535	2780	2785	2788	rBV3	5354396	8323737	86.08%	5.053%
89	19.565	2788	2790	2796	rVB	4689929	5439964	56.26%	3.303%
90	19.635	2799	2802	2805	rVV2	326056	505711	5.23%	0.307%
91	20.165	2889	2892	2896	rVB	532438	593439	6.14%	0.360%
92	21.047	3039	3042	3049	rVB3	2089986	2690654	27.83%	1.633%
93	21.335	3085	3091	3095	rBV2	5284518	9669530	100.00%	5.870%
94	21.376	3095	3098	3105	rVB	2171576	2713732	28.06%	1.647%
95	21.494	3115	3118	3123	rBV2	694039	840313	8.69%	0.510%
96	21.947	3191	3195	3200	rVB	3084764	3908519	40.42%	2.373%
97	22.923	3356	3361	3365	rBV3	2777666	5118278	52.93%	3.107%
98	23.470	3449	3454	3458	rBV2	1863292	3905224	40.39%	2.371%
99	23.611	3473	3478	3484	rBV	2865082	5102680	52.77%	3.098%
100	24.153	3566	3570	3578	rVB	1505689	2766326	28.61%	1.679%

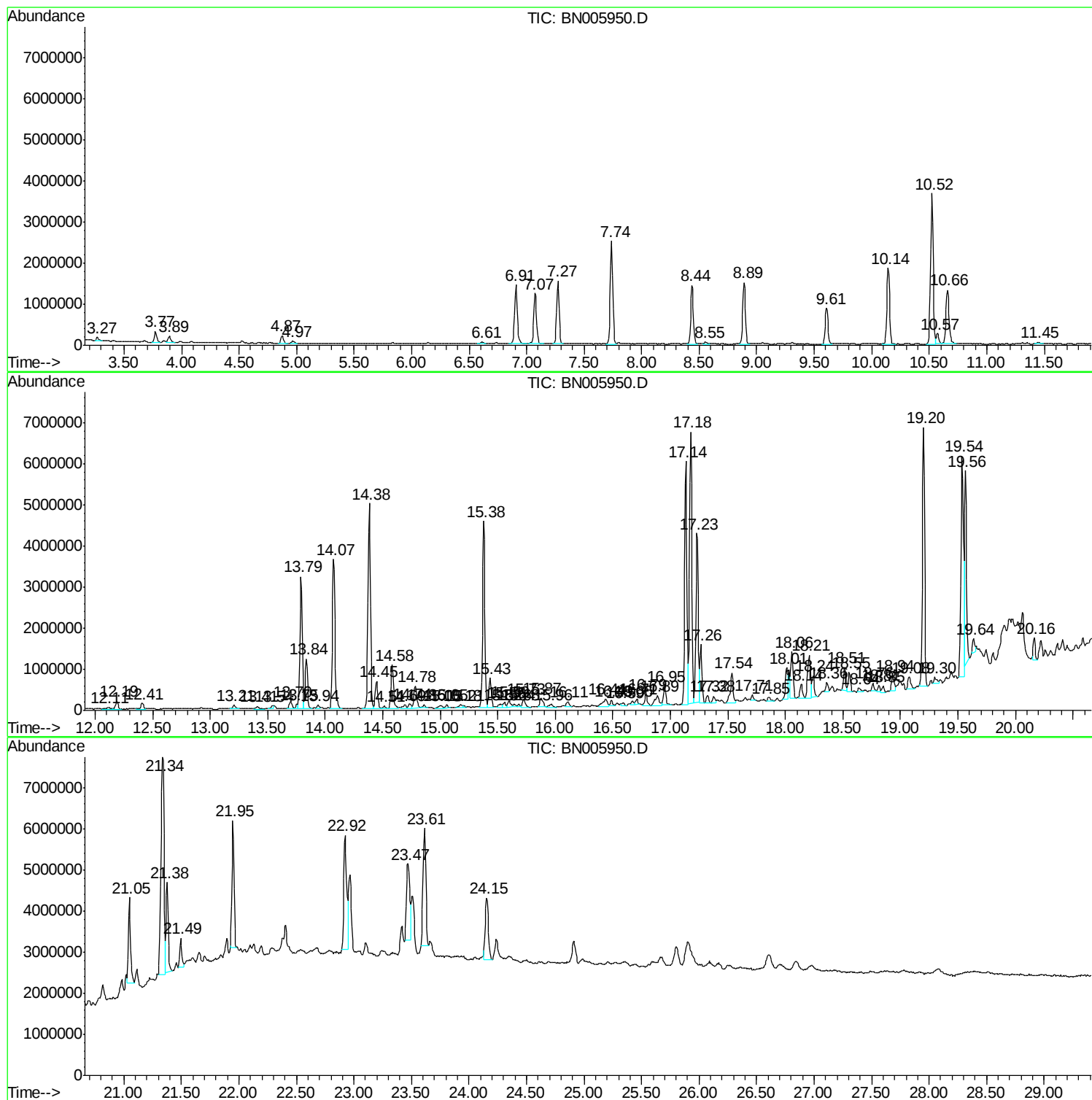
Sum of corrected areas: 164722169

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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



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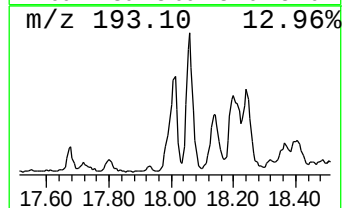
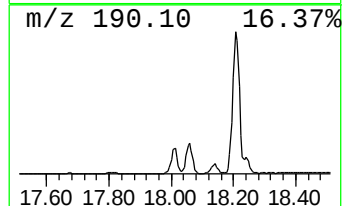
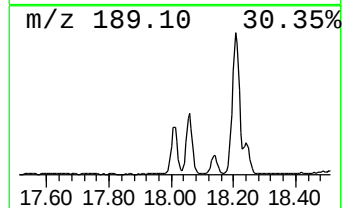
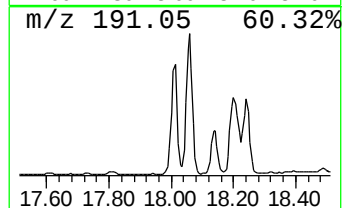
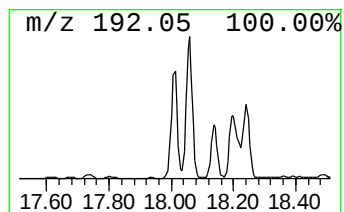
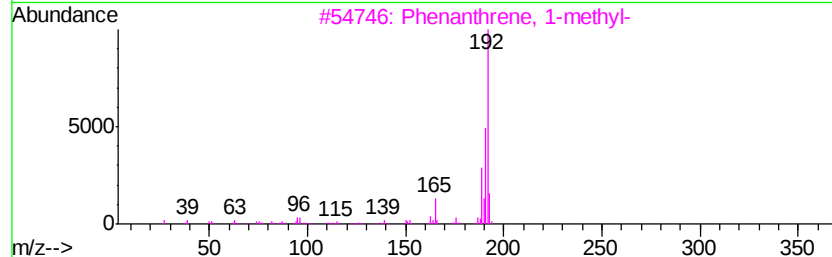
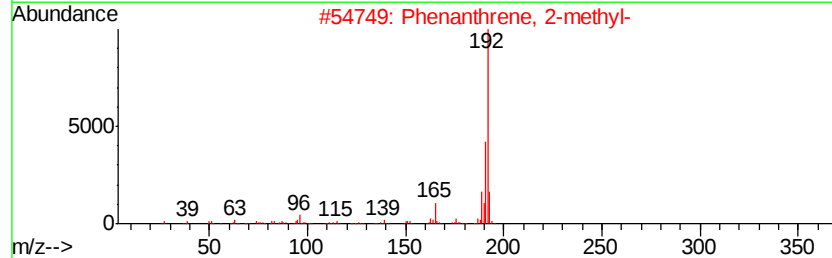
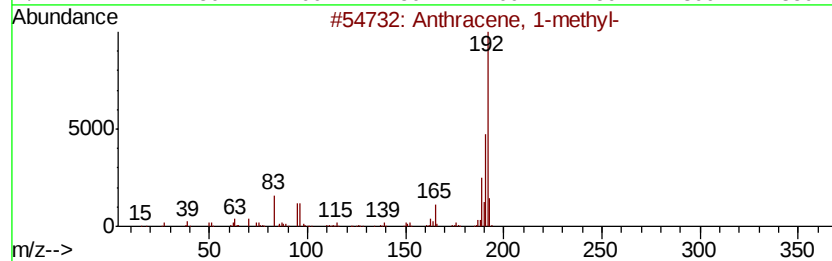
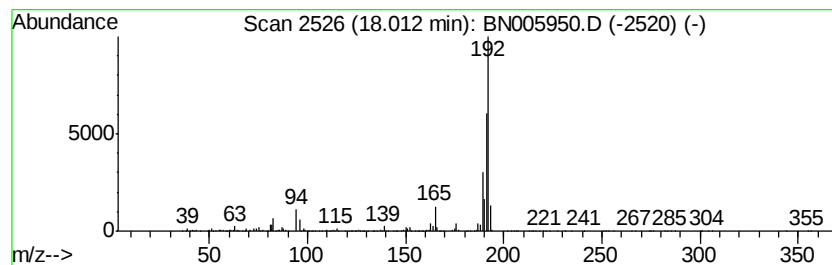
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.85 ng/ul	1192820	Phenanthrene-d10	17.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	89



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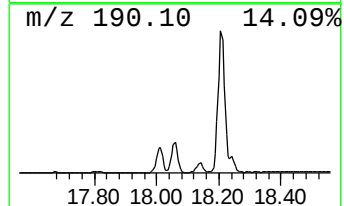
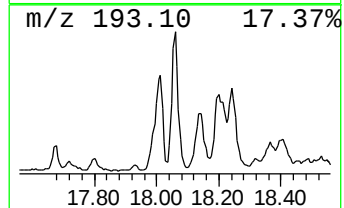
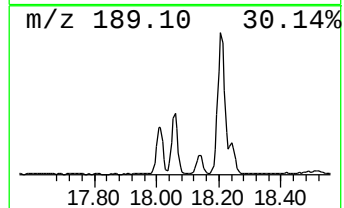
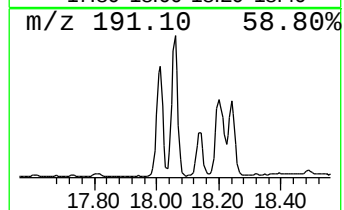
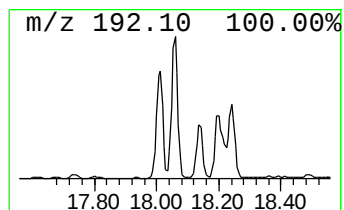
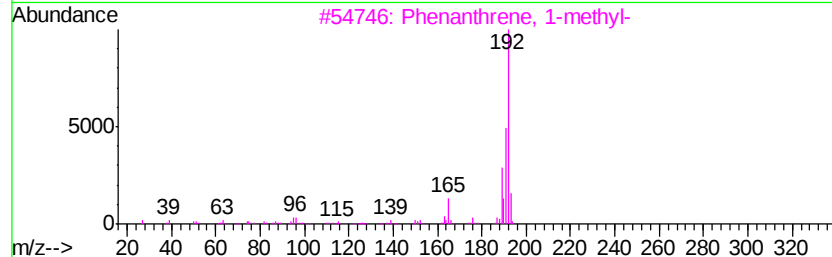
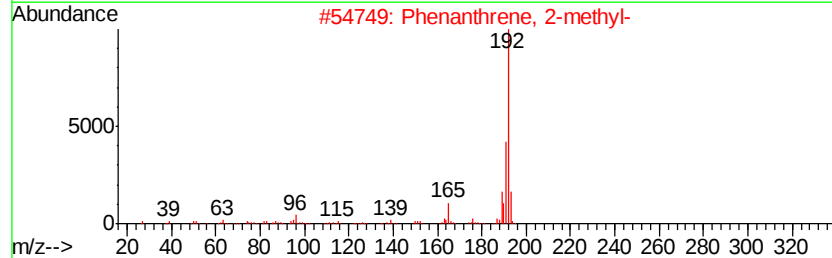
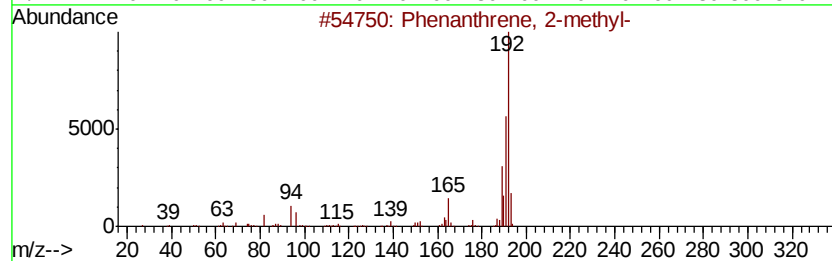
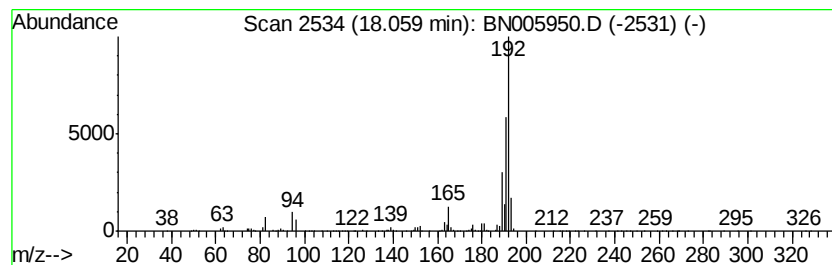
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	3.69 ng/ul	1544890	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



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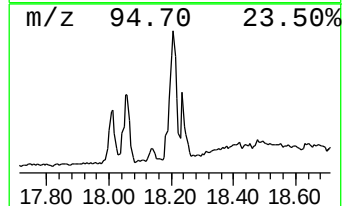
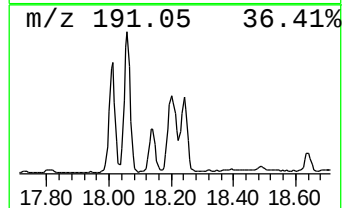
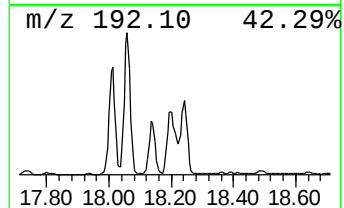
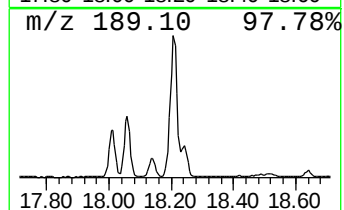
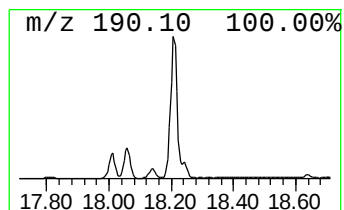
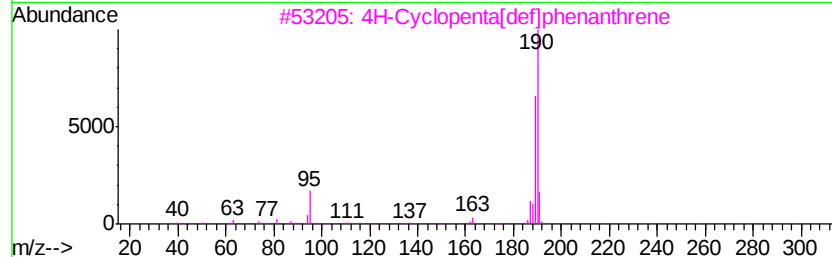
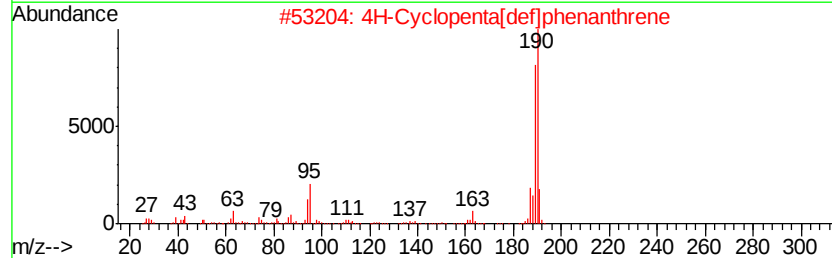
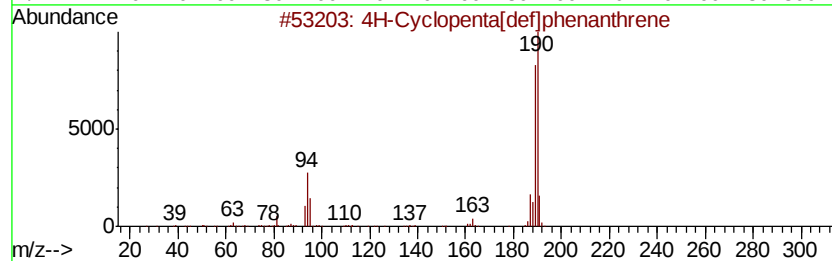
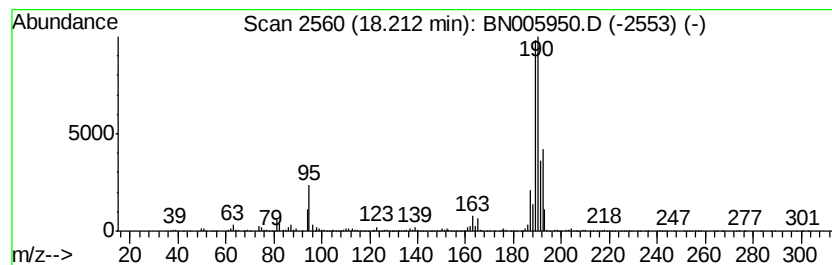
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	4.56 ng/ul	1908720	Phenanthrene-d10	17.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BCl03S	036155-87-0	47
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38



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Acq On : 30 May 2019 02:37
Operator : JU/SJ
Sample : K2928-11
Misc :
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Instrument :
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ClientSampleId :
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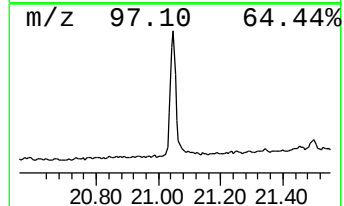
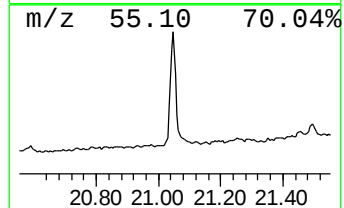
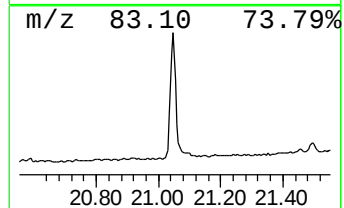
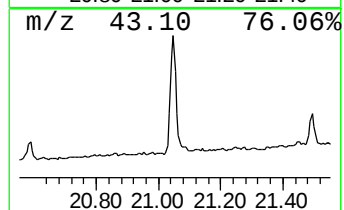
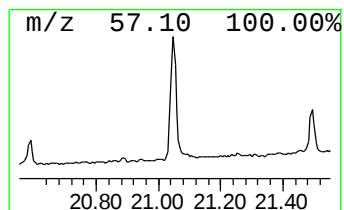
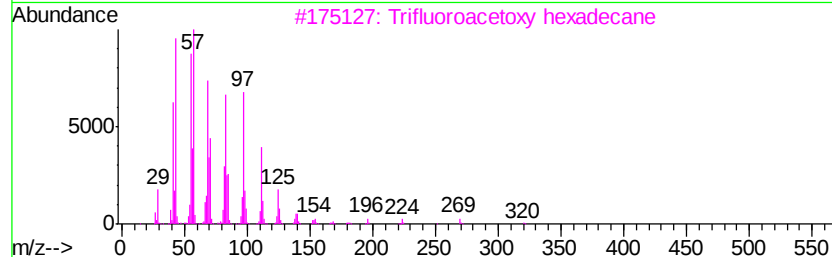
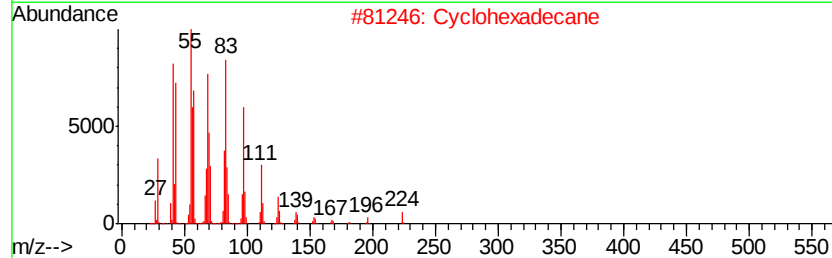
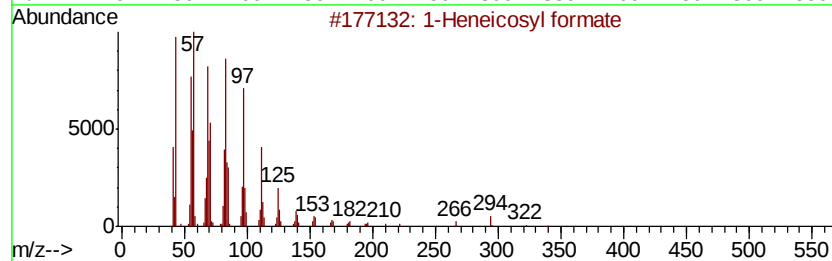
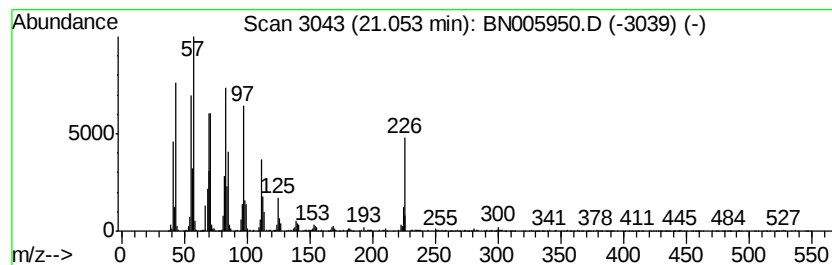
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 1-Heneicosyl formate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	5.57 ng/ul	2690650	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	97
2		Cyclohexadecane	224	C16H32	000295-65-8	94
3		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
5		1-Heneicosanol	312	C21H44O	015594-90-8	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005950.D
Acq On : 30 May 2019 02:37
Operator : JU/SJ
Sample : K2928-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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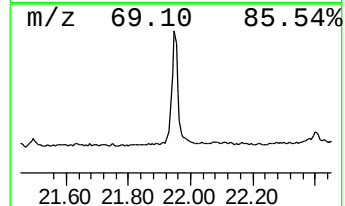
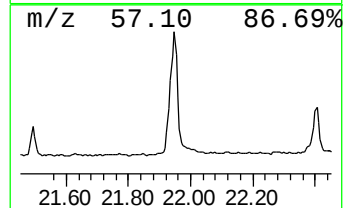
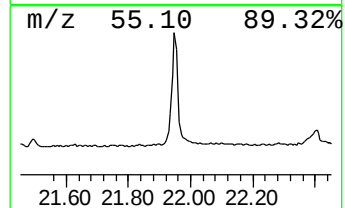
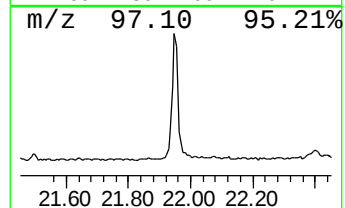
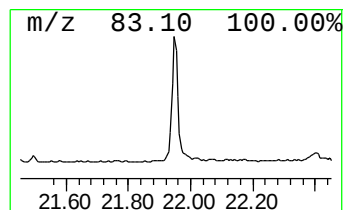
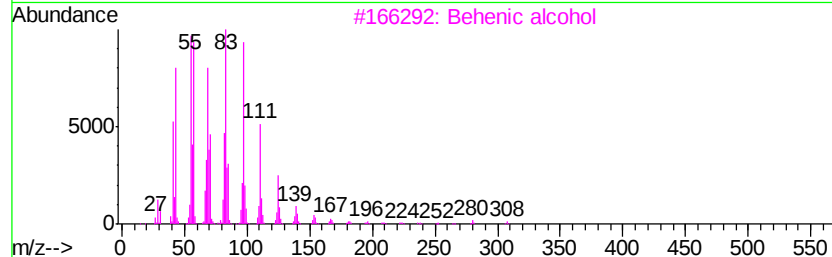
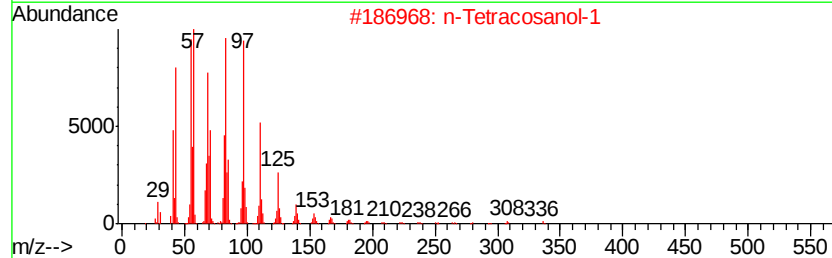
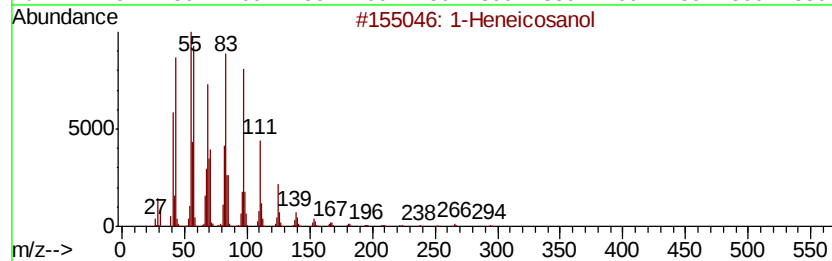
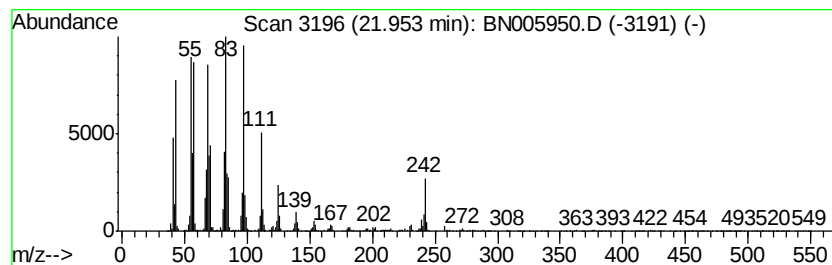
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1-Heneicosanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	8.08 ng/ul	3908520	Chrysene-d12	21.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol		312	C21H44O	015594-90-8	95
2	n-Tetracosanol-1		354	C24H50O	000506-51-4	94
3	Behenic alcohol		326	C22H46O	000661-19-8	94
4	1-Heptacosanol		396	C27H56O	002004-39-9	94
5	n-Heptadecanol-1		256	C17H36O	001454-85-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005950.D
Acq On : 30 May 2019 02:37
Operator : JU/SJ
Sample : K2928-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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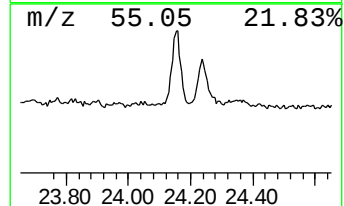
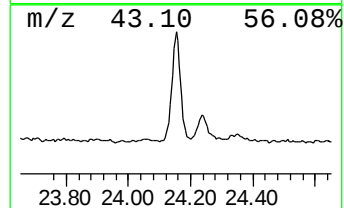
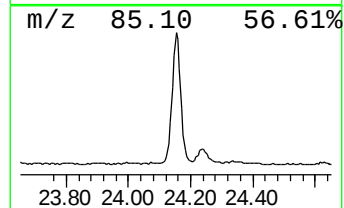
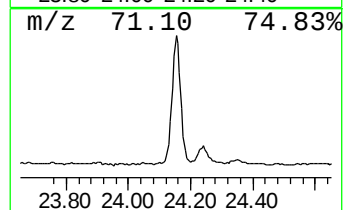
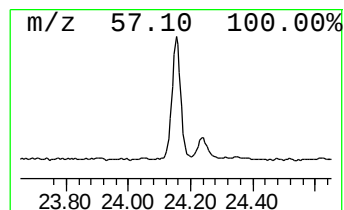
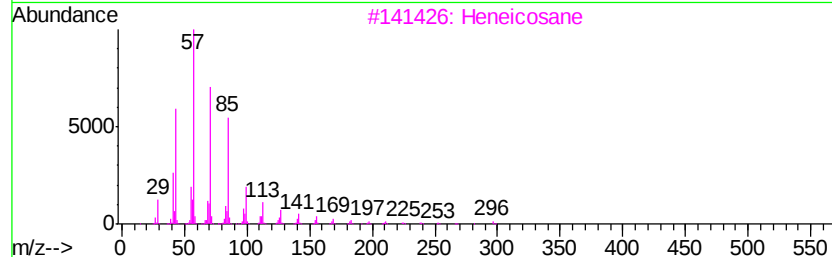
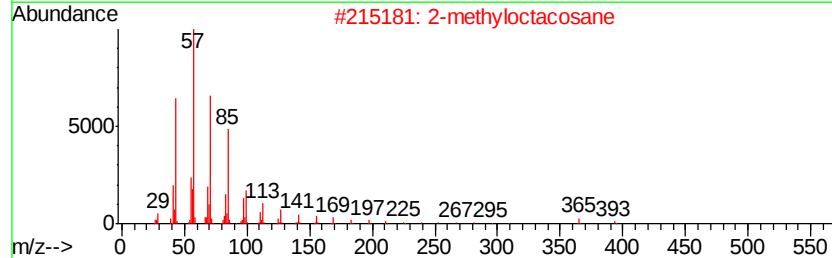
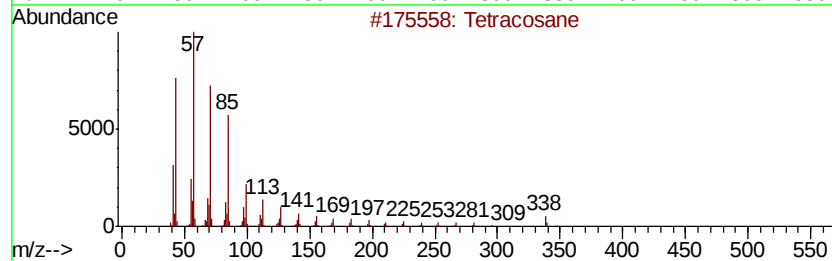
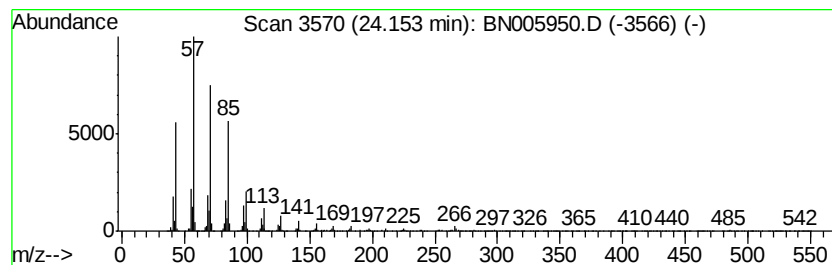
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Tetracosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.15	10.84 ng/ul	2766330	Perylene-d12	23.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	97
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Hentriacontane	437	C31H64	000630-04-6	91
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052919\
Data File : BN005950.D
Acq On : 30 May 2019 02:37
Operator : JU/SJ
Sample : K2928-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Anthracene, 1-met...	18.01	2.9	ng/ul	1192820	4	17.14	8373120	20.0
Phenanthrene, 2-m...	18.06	3.7	ng/ul	1544890	4	17.14	8373120	20.0
4H-Cyclopenta[def...	18.21	4.6	ng/ul	1908720	4	17.14	8373120	20.0
1-Heneicosyl formate	21.05	5.6	ng/ul	2690650	5	21.34	9669530	20.0
1-Heneicosanol	21.95	8.1	ng/ul	3908520	5	21.34	9669530	20.0
Tetracosane	24.15	10.8	ng/ul	2766330	6	23.61	5102680	20.0