LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

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-BM021119.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	5.287	368	374	381	rBV	458622	712455	6.21%	0.641%
2	6.869	633	643	663	rVB	457381	829050	7.23%	0.746%
3	7.228	696	704	712	rBV	516720	850632	7.42%	0.766%
4	7.692	777	783	795	rVB	675657	1071787	9.34%	0.965%
5	8.010	829	837	846	rBV	389726	613163	5.35%	0.552%
6	8.863	975	982	990	rBV	263829	485204	4.23%	0.437%
7	10.480	1250	1257	1262	rBV	928546	1535707	13.39%	1.382%
8	10.533	1262	1266	1275	rVB	246047	425938	3.71%	0.383%
9	11.998	1506	1515	1526	rVB2	41110	122903	1.07%	0.111%
10	12.151	1534	1541	1550	rBV	225953	366740	3.20%	0.330%
11	12.369	1572	1578	1588	rVB	235492	377461	3.29%	0.340%
12	12.957	1672	1678	1685	rBV	688407	1043284	9.10%	0.939%
13	13.174	1707	1715	1720	rVB	133790	204154	1.78%	0.184%
14	13.368	1744	1748	1760	rVB	37377	114927	1.00%	0.103%
15	13.498	1764	1770	1772	rBV	106021	165348	1.44%	0.149%
16	13.663	1791	1798	1803	rBV	265601	454404	3.96%	0.409%
17	13.716	1803	1807	1814	rVB	154318	236592	2.06%	0.213%
18	13.798	1815	1821	1827	rBV3	127363	221296	1.93%	0.199%
19	13.898	1833	1838	1841	rBV	150967	208848	1.82%	0.188%
20	14.068	1858	1867	1876	rBV	770940	1177015	10.26%	1.059%
21	14.345	1903	1914	1921	rVV2	1374249	2259178	19.70%	2.033%
22	14.410	1921	1925	1933	rVB2	111730	244783	2.13%	0.220%
23	14.745	1972	1982	1989	rBV2	141656	275497	2.40%	0.248%
24	14.815	1990	1994	1999	rVB	117981	157728	1.38%	0.142%
25	14.957	2012	2018	2024	rBV4	125865	253801	2.21%	0.228%
26	15.133	2040	2048	2051	rBV4	84087	193253	1.68%	0.174%
27	15.221	2059	2063	2069	rVB	153100	208052	1.81%	0.187%
28	15.339	2080	2083	2087	rVB	87654	117321	1.02%	0.106%
29	15.398	2087	2093	2105	rVB	870216	1413266	12.32%	1.272%
30	15.604	2124	2128	2137	rBV5	62491	116043	1.01%	0.104%
31	15.686	2137	2142	2148	rBV3	95144	155330	1.35%	0.140%
32	15.845	2159	2169	2177	rBV2	591237	987856	8.61%	0.889%
33	16.074	2199	2208	2218	rBV5	111362	282755	2.47%	0.254%
34	16.404	2256	2264	2268	rBV3	252749	551020	4.80%	0.496%

LSC Area Percent Report

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Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

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-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.451	2268	2272	2277	rVB	189852	247148	2.15%	0.222%
36	16.551	2285	2289	2295	rVB2	162384	206676	1.80%	0.186%
37	16.674	2306	2310	2315	rVB2	91009	128670	1.12%	0.116%
38	16.756	2320	2324	2330	rVB	278816	393340	3.43%	0.354%
39	16.915	2346	2351	2358	rVB	502038	747105	6.51%	0.672%
40	17.098	2377	2382	2385	rBV	1718829	2392340	20.86%	2.153%
41	17.145	2385	2390	2399	rVV	8376561	11469508	100.00%	10.323%
42	17.233	2400	2405	2410	rVV	1552114	2117557	18.46%	1.906%
43	17.286	2410	2414	2420	rVB4	90440	199056	1.74%	0.179%
44	17.509	2448	2452	2458	rBV3	69079	130662	1.14%	0.118%
45	17.615	2467	2470	2476	rVV	332591	427326	3.73%	0.385%
46	17.680	2476	2481	2488	rVB3	390947	603846	5.26%	0.543%
47	17.821	2501	2505	2513	rVB	191623	354471	3.09%	0.319%
48	17.898	2514	2518	2522	rBV2	99525	143008	1.25%	0.129%
49	17.974	2526	2531	2535	rVV	1576361	2624304	22.88%	2.362%
50	18.021	2535	2539	2545	rVV	1633517	2344401	20.44%	2.110%
51	18.103	2549	2553	2558	rVV2	436184	648651	5.66%	0.584%
52	18.168	2558	2564	2568	rVV2	1758571	3399878	29.64%	3.060%
53	18.203	2568	2570	2579	rVB	937609	1268138	11.06%	1.141%
54	18.374	2595	2599	2603	rVB	117646	159724	1.39%	0.144%
55	18.480	2612	2617	2621	rBV	939360	1240138	10.81%	1.116%
56	18.527	2621	2625	2635	rVB	687651	964666	8.41%	0.868%
57	18.698	2650	2654	2655	rBV2	88851	116735	1.02%	0.105%
58	18.721	2655	2658	2663	rVV2	205877	363104	3.17%	0.327%
59	18.774	2664	2667	2670	rVV	251200	333688	2.91%	0.300%
60	18.815	2670	2674	2678	rVB2	177113	253474	2.21%	0.228%
61	18.898	2683	2688	2693	rBV	794859	1306790	11.39%	1.176%
62	18.962	2693	2699	2701	rVV3	353958	695669	6.07%	0.626%
63	18.992	2701	2704	2707	rVB	257683	312345	2.72%	0.281%
64	19.045	2708	2713	2724	rBV5	443570	1031352	8.99%	0.928%
65	19.168	2728	2734	2739	rVB	5150446	6763978	58.97%	6.088%
66	19.227	2742	2744	2747	rVB	144118	136576	1.19%	0.123%
67	19.274	2747	2752	2756	rBV2	1305596	1805778	15.74%	1.625%
68	19.315	2756	2759	2764	rVB	967050	1250498	10.90%	1.125%
69	19.409	2772	2775	2777	rBV	167689	214388	1.87%	0.193%
70	19.433	2777	2779	2784	rVB	269875	324869	2.83%	0.292%
71	19.533	2787	2796	2804	rVV	7766392	10305281	89.85%	9.275%

LSC Area Percent Report

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Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

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-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.603	2804	2808	2813	rVB	236809	359088	3.13%	0.323%
73	19.733	2826	2830	2834	rBV	1121575	1316675	11.48%	1.185%
74	19.850	2846	2850	2859	rBV2	503983	1161913	10.13%	1.046%
75	19.992	2869	2874	2876	rBV4	537842	882359	7.69%	0.794%
76	20.027	2876	2880	2885	rVB2	1009190	1507676	13.15%	1.357%
77	20.127	2893	2897	2901	rBV	658445	847478	7.39%	0.763%
78	20.186	2903	2907	2911	rVB2	856903	1025675	8.94%	0.923%
79	20.327	2927	2931	2934	rBV	643545	814310	7.10%	0.733%
80	20.368	2935	2938	2945	rVB	679195	920073	8.02%	0.828%
81	20.774	3005	3007	3013	rVB	367334	508401	4.43%	0.458%
82	20.944	3032	3036	3039	rVB	443385	569855	4.97%	0.513%
83	20.980	3039	3042	3046	rBV	594316	818335	7.13%	0.737%
84	21.015	3046	3048	3053	rVB2	360868	412949	3.60%	0.372%
85	21.291	3089	3095	3099	rBV3	3676737	7523687	65.60%	6.771%
86	21.333	3099	3102	3108	rVB	2636418	3336928	29.09%	3.003%
87	21.503	3128	3131	3139	rVB	775955	1067658	9.31%	0.961%
88	21.844	3187	3189	3195	rVB2	620224	792649	6.91%	0.713%
89	22.874	3360	3364	3376	rVB	1324572	4030960	35.15%	3.628%
90	23.356	3441	3446	3450	rBV	1034215	1747580	15.24%	1.573%
91	23.450	3457	3462	3470	rVB	1845950	3313113	28.89%	2.982%
92	23.550	3474	3479	3484	rVV	1349289	2295474	20.01%	2.066%

Sum of corrected areas: 111110765

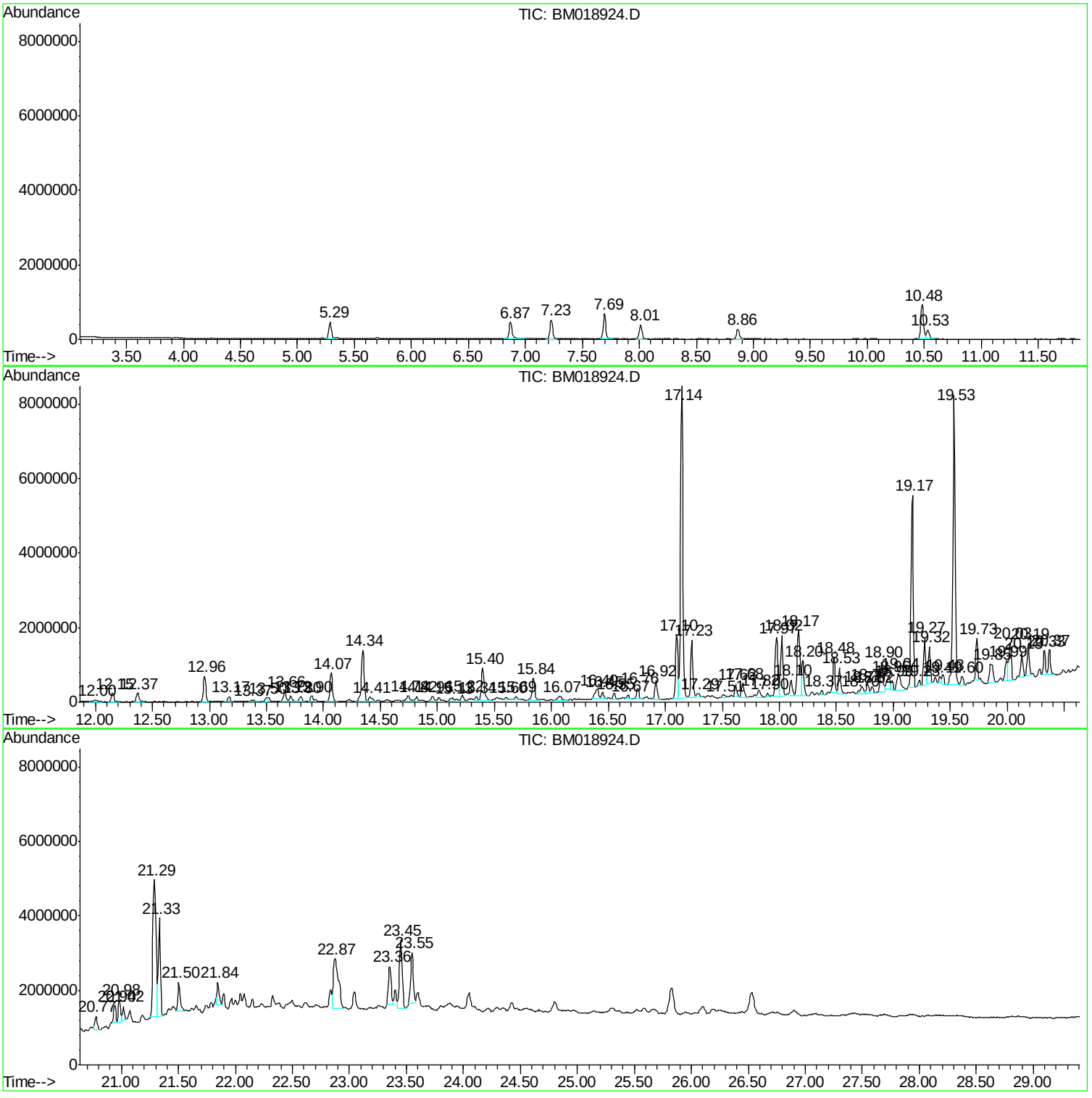
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

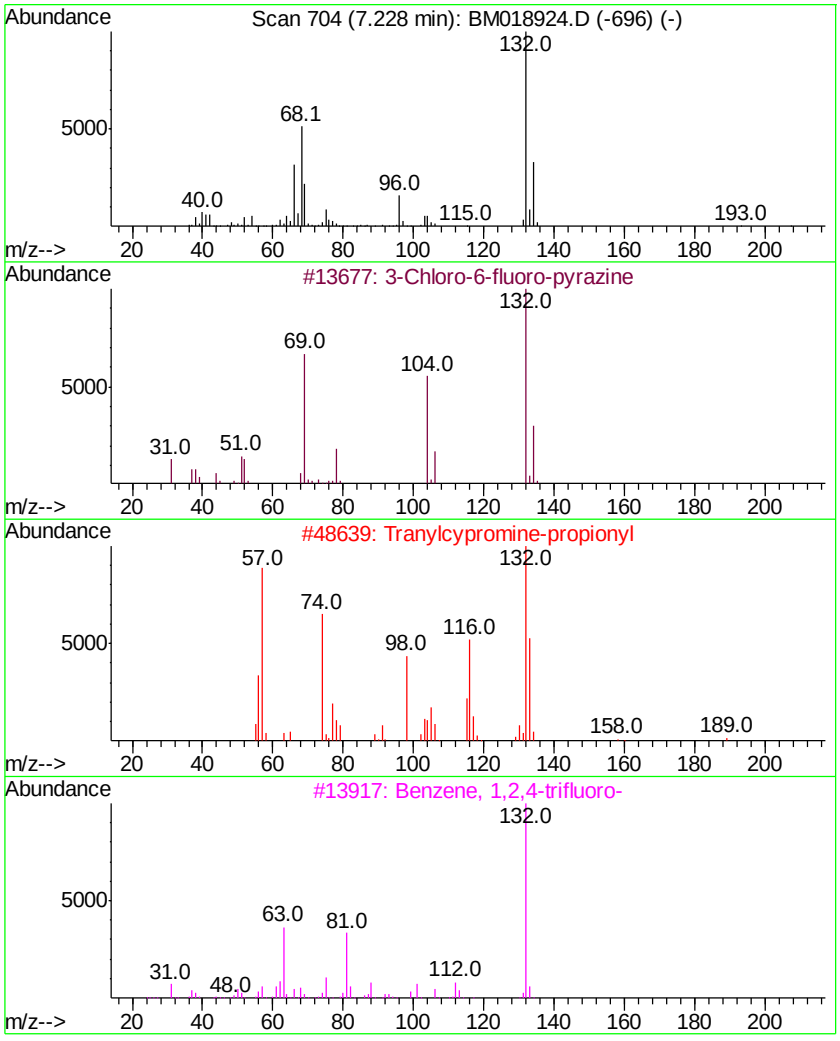
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

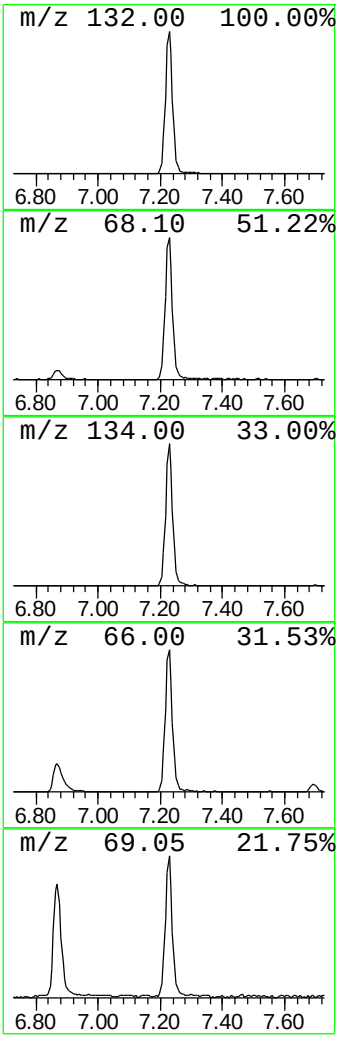
****

Peak Number 1 unknown7.23 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	15.87 ng	850632	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	10
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

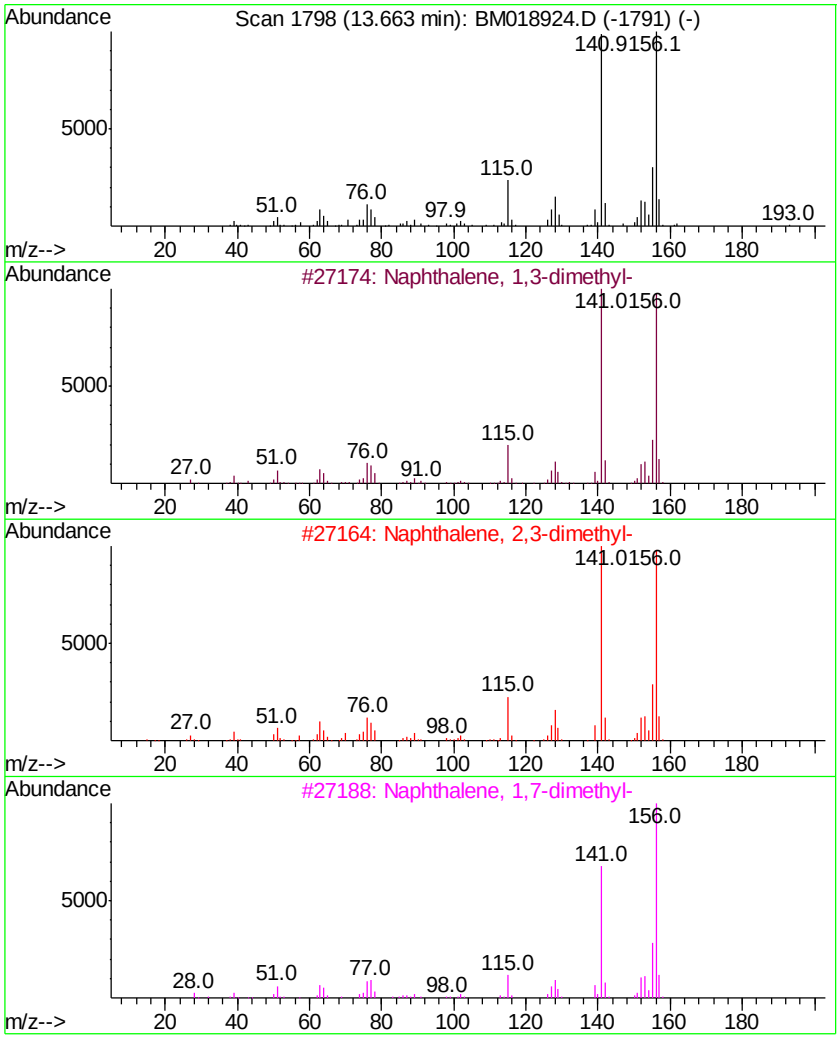
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

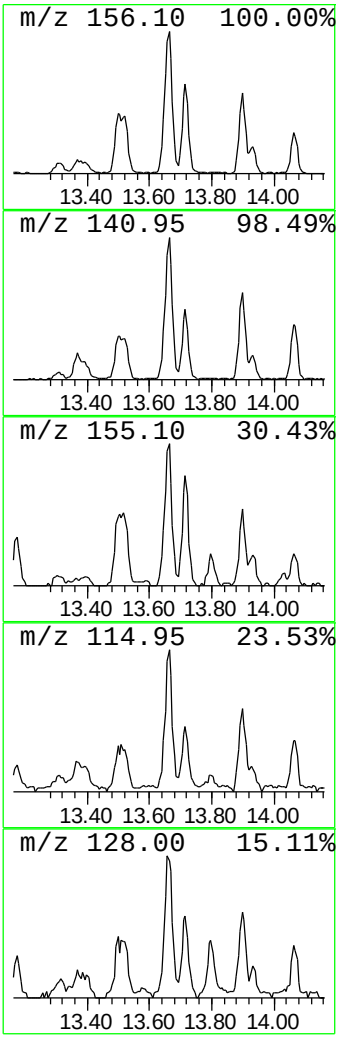
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	4.02 ng	454404	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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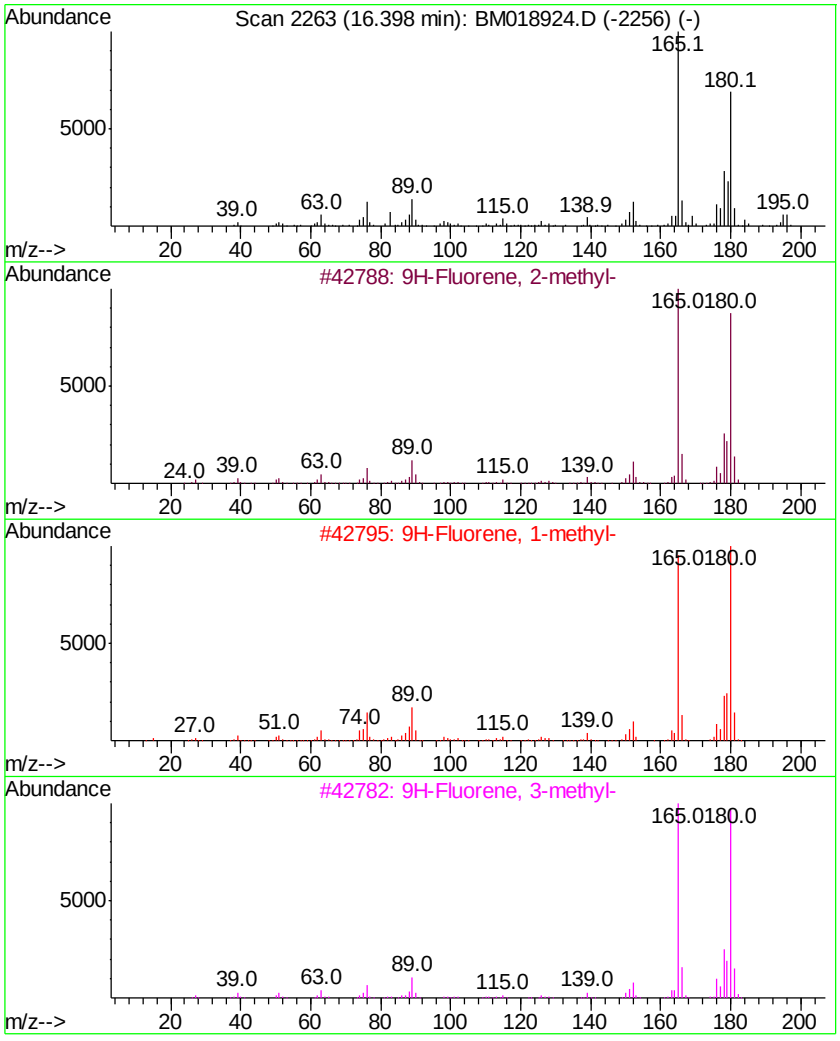
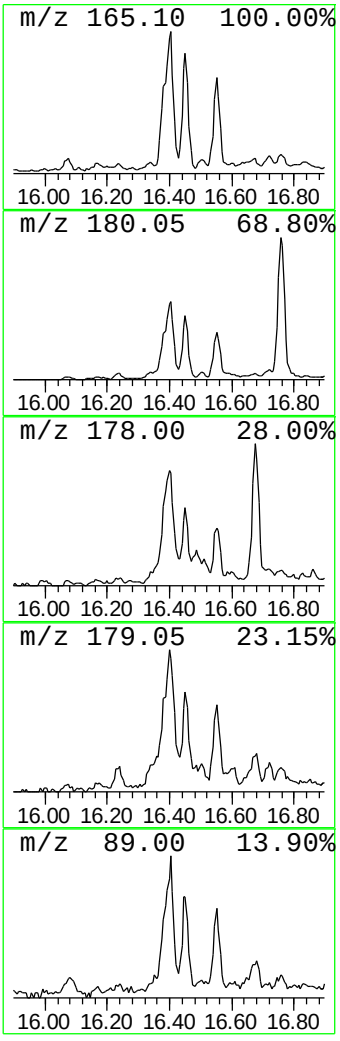
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	4.61 ng	551020	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





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Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

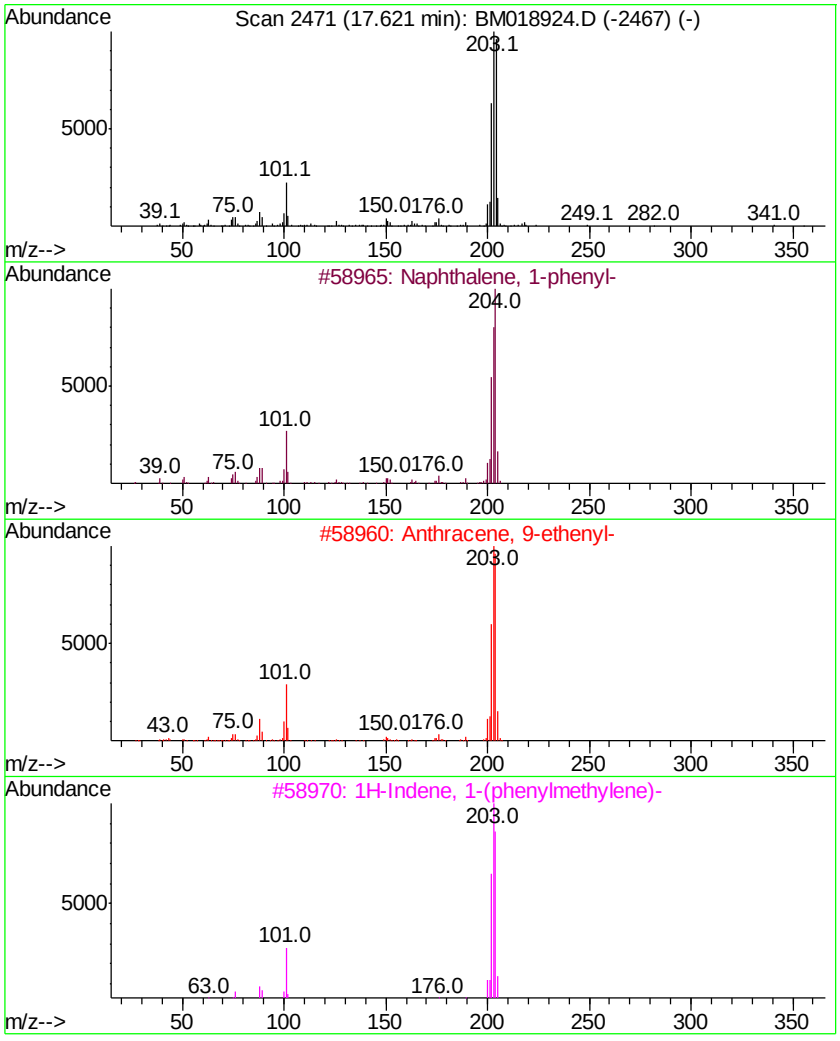
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

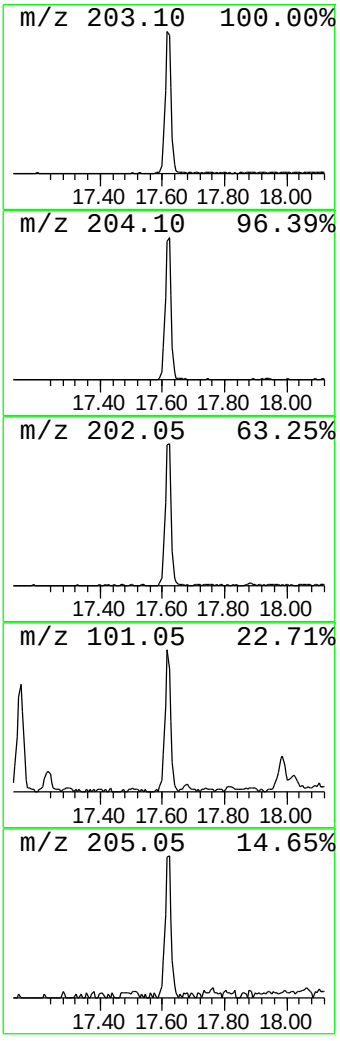
****

Peak Number 6 Naphthalene, 1-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	3.57 ng	427326	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	97
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	96
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	95
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	93
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

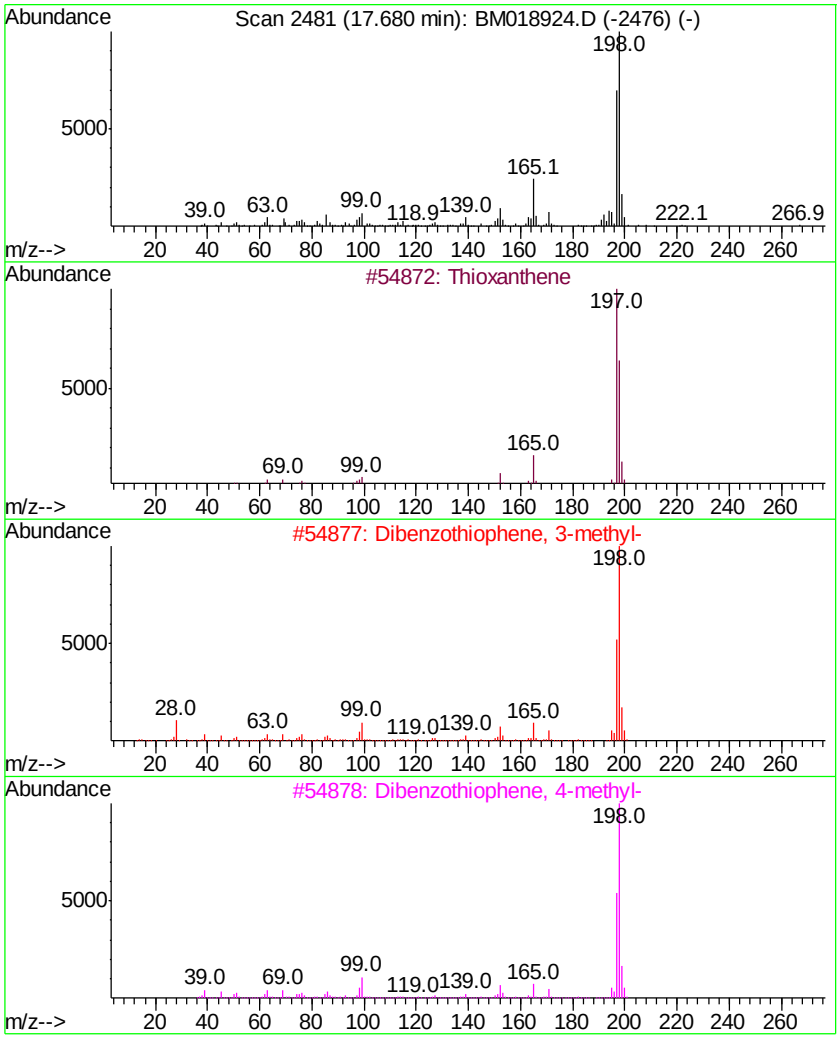
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

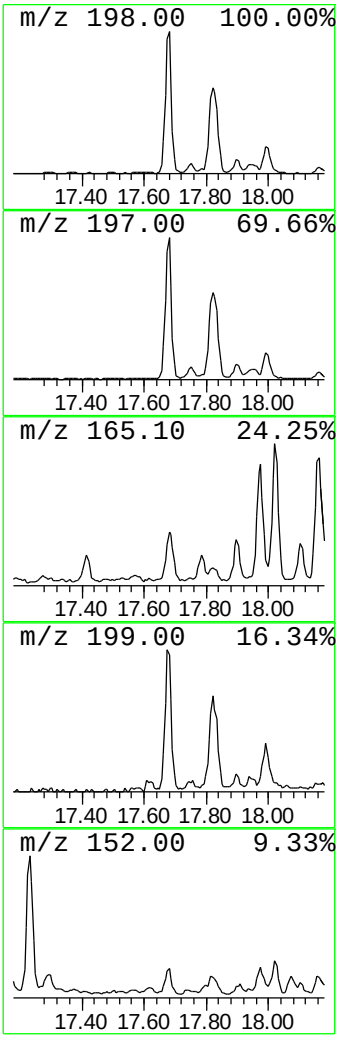
****

Peak Number 7 Thioxanthene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	5.05 ng	603846	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxanthene	198	C13H10S	000261-31-4	86
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
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Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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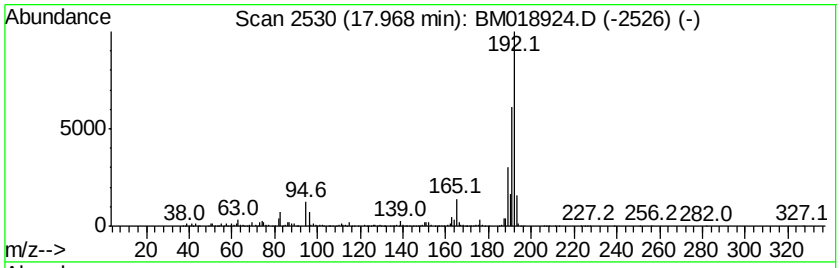
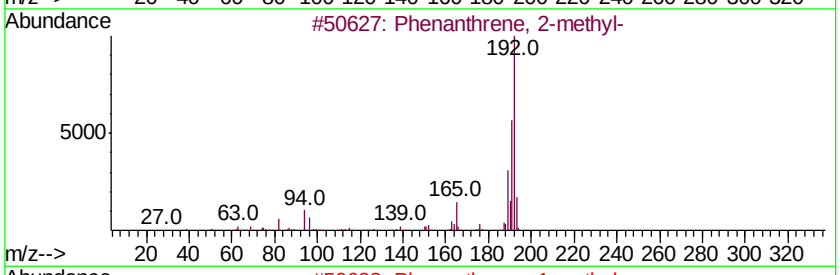
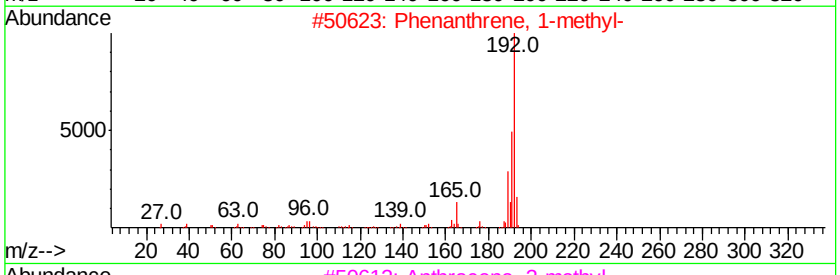
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 2

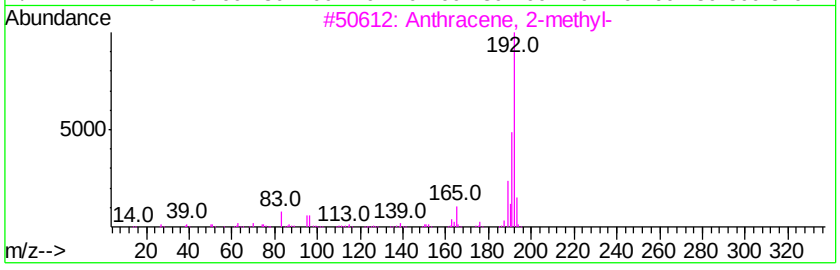
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	21.94 ng	2624300	Phenanthrene-d10	17.10

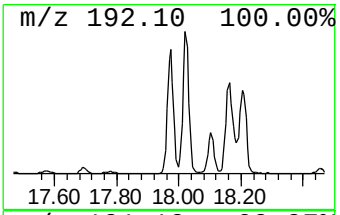
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95

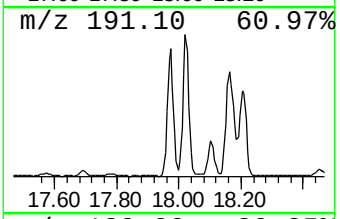


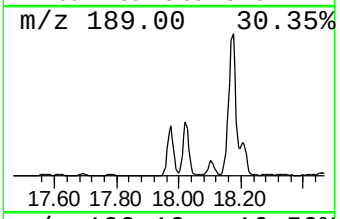


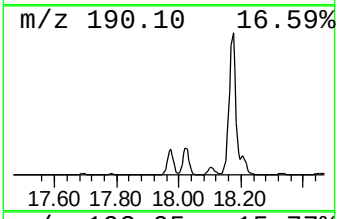


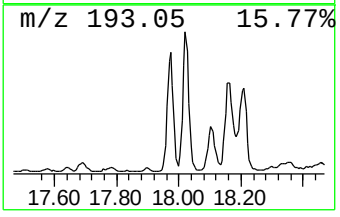












Library Search Compound Report

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Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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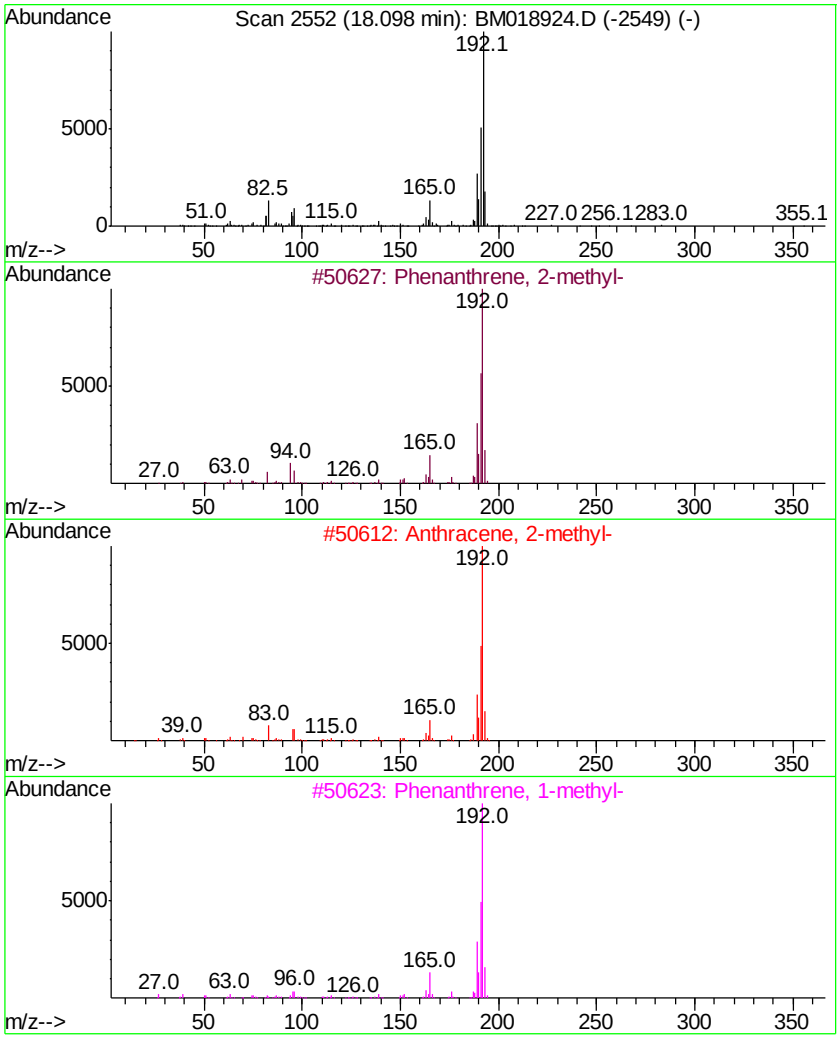
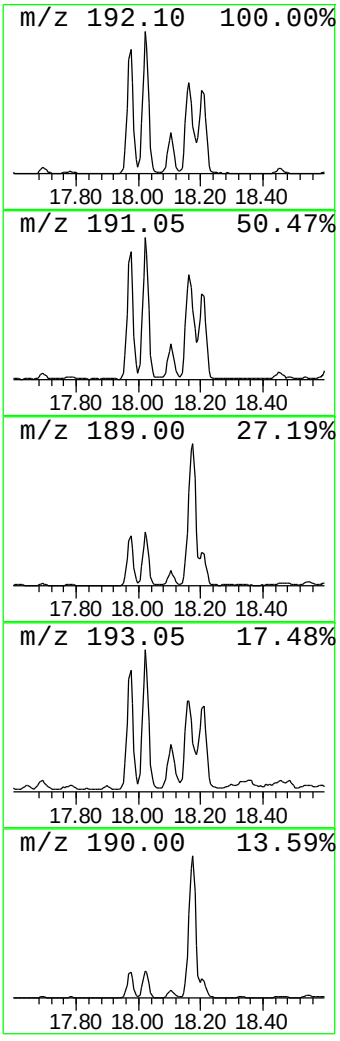
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	5.42 ng	648651	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

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

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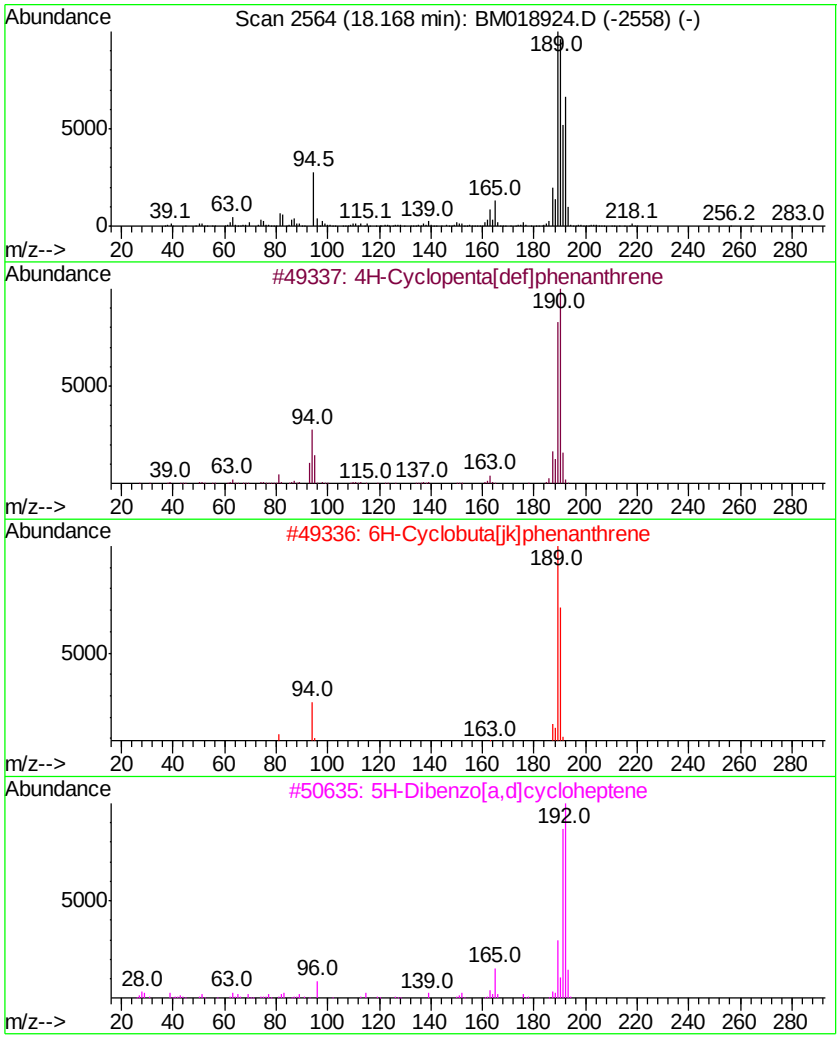
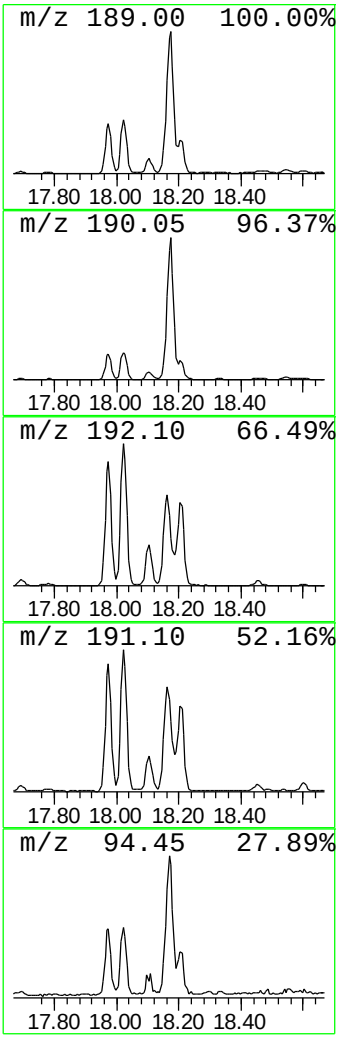
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	28.42 ng	3399880	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30





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TIC Library : C:\DATABASE\NIST02.L
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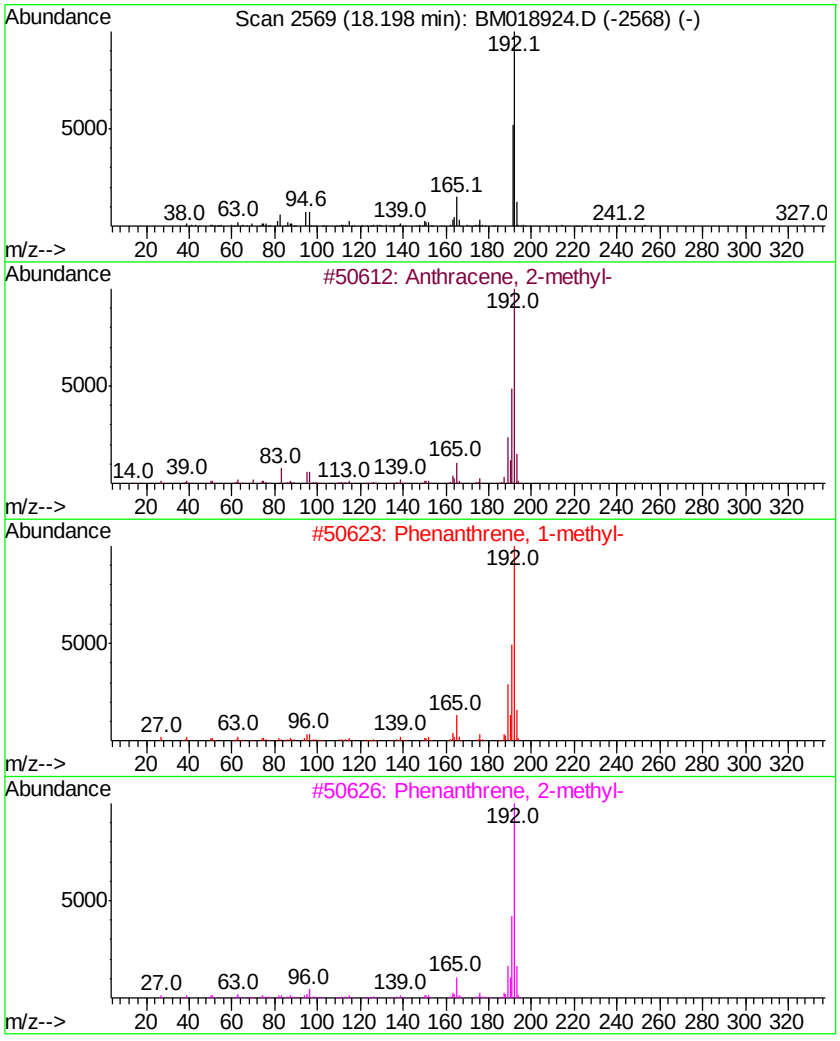
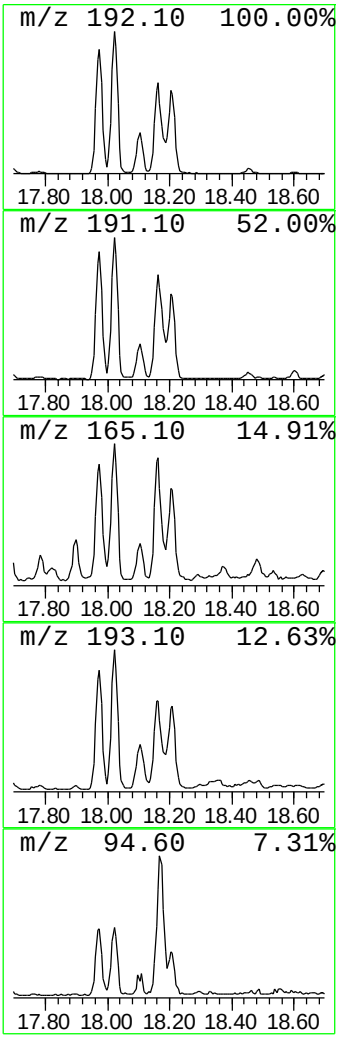
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	10.60 ng	1268140	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	90





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Misc :
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Instrument : BNA_M
ClientSampleId : TP-26

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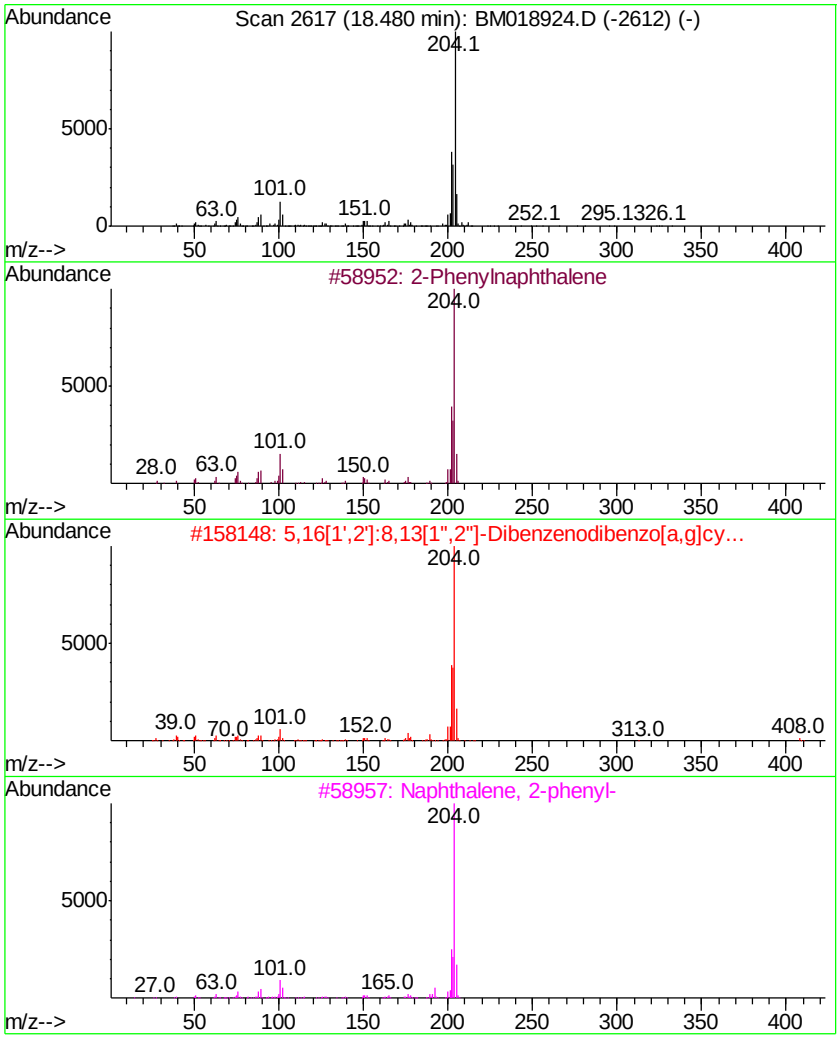
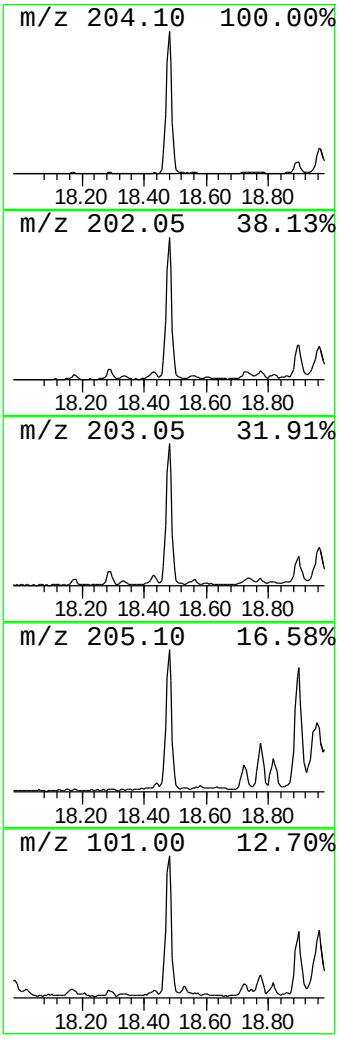
Peak Number 13 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	10.37 ng	1240140	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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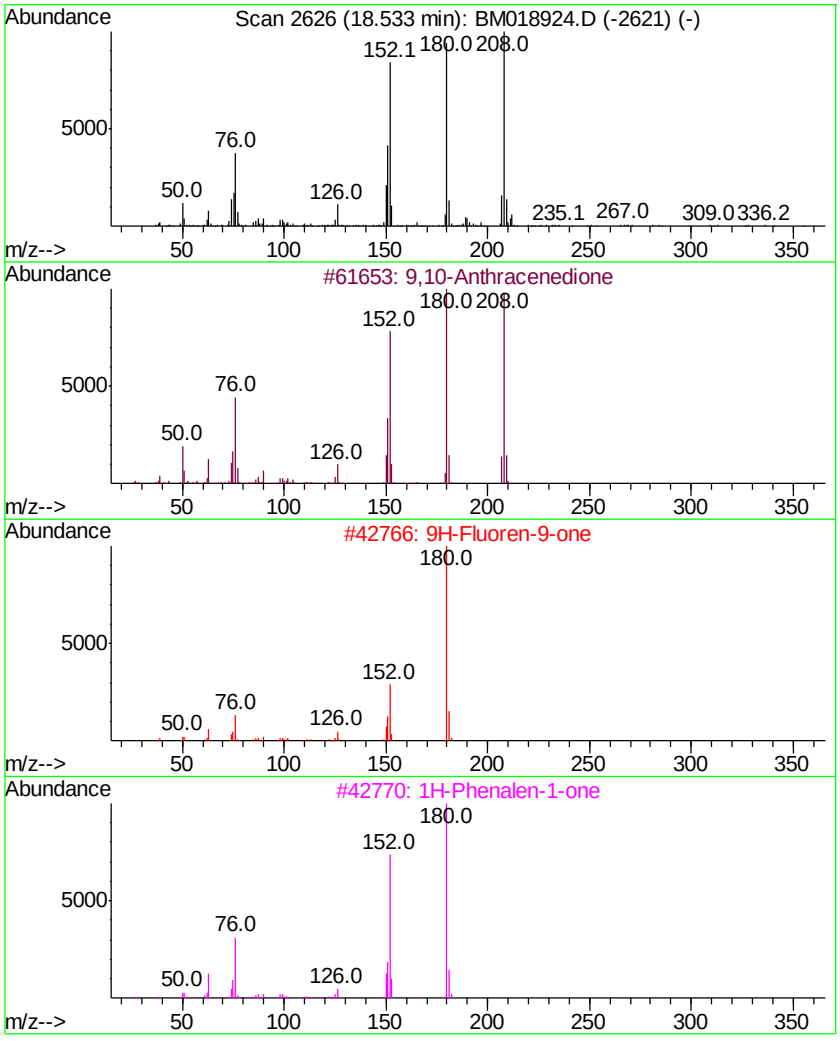
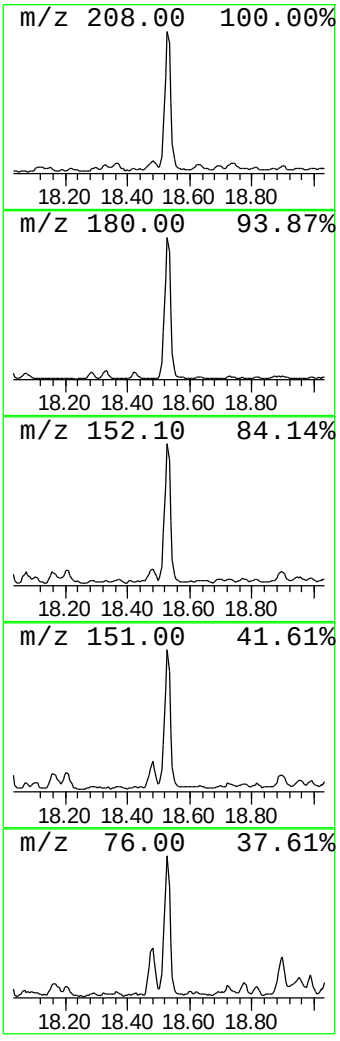
Peak Number 14 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	8.06 ng	964666	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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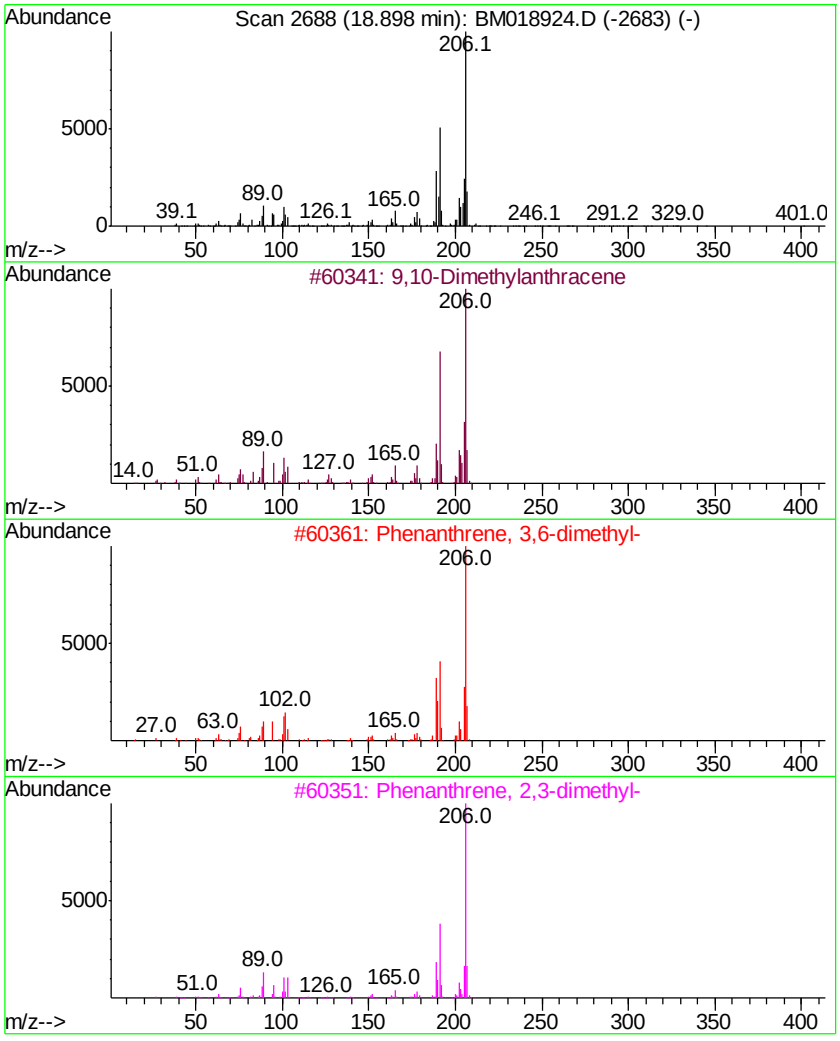
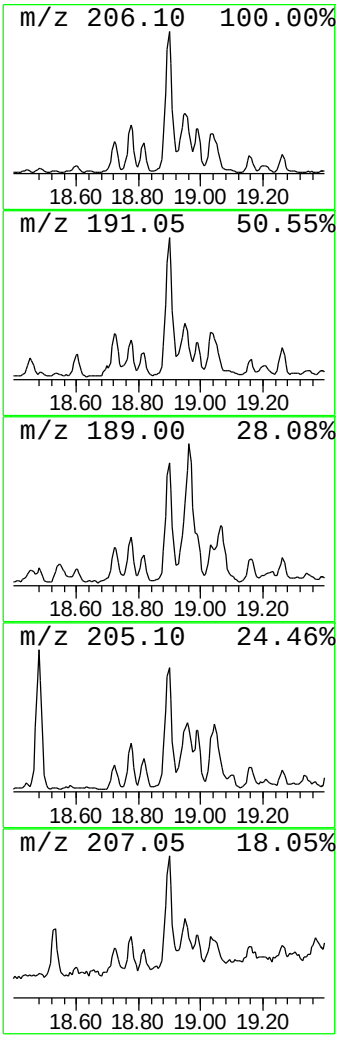
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	10.92 ng	1306790	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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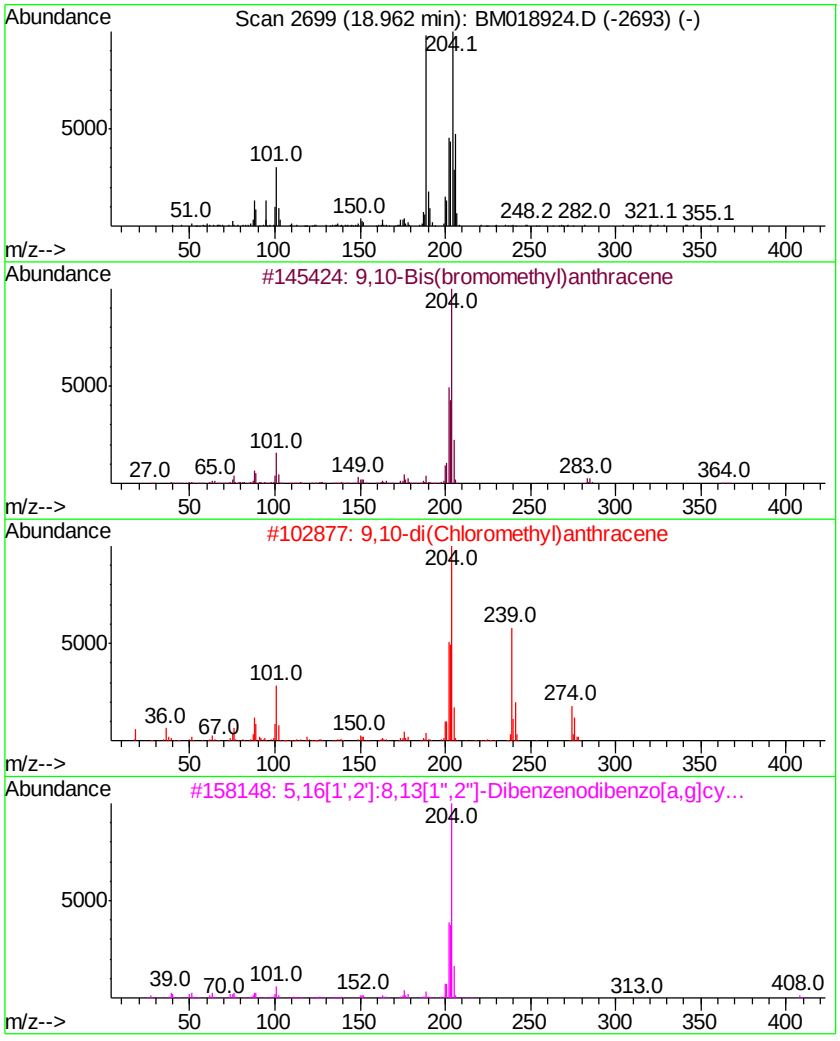
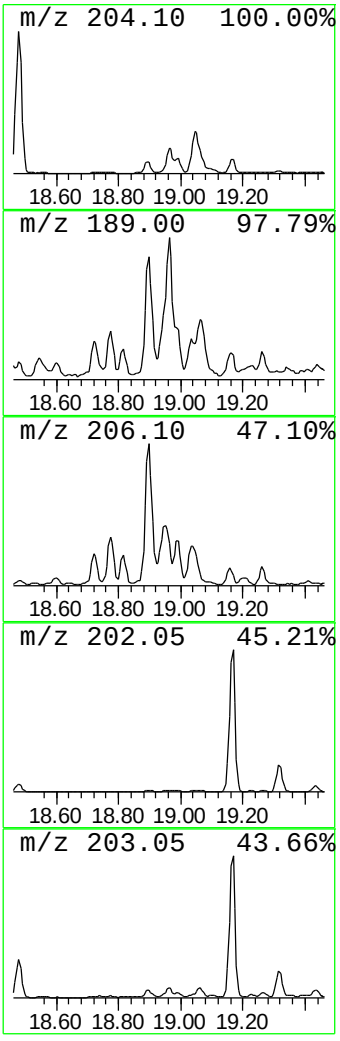
Peak Number 16 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	5.82 ng	695669	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	38





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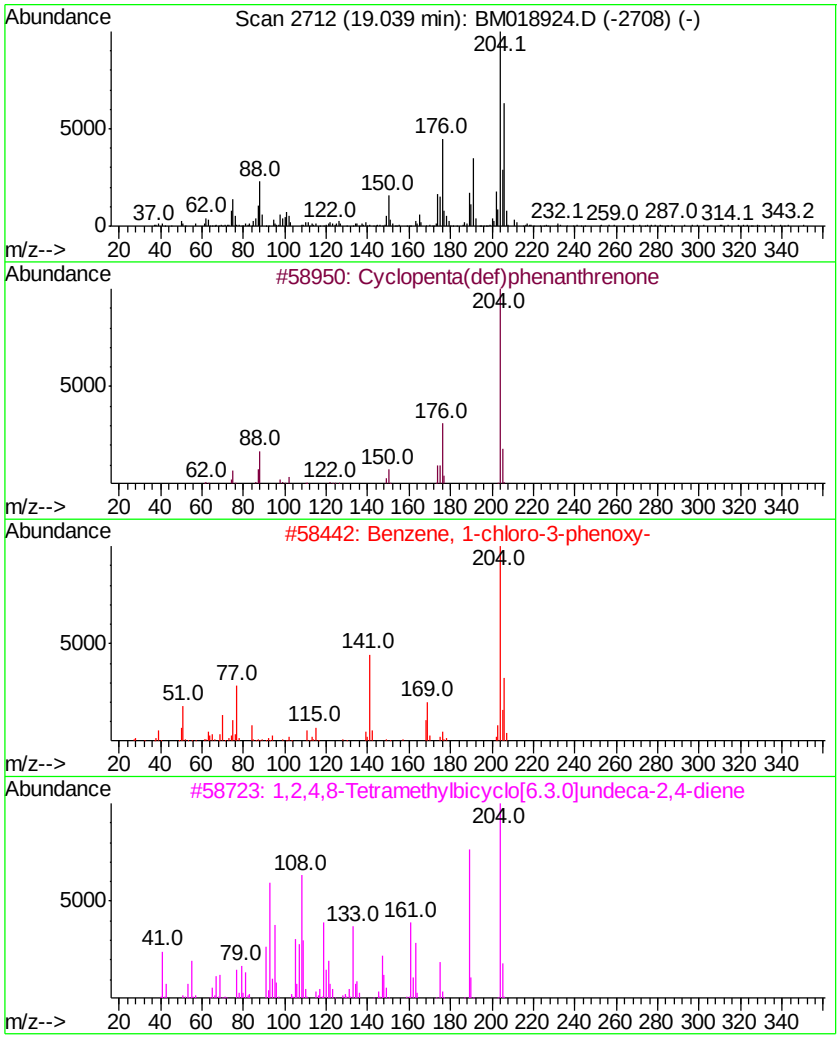
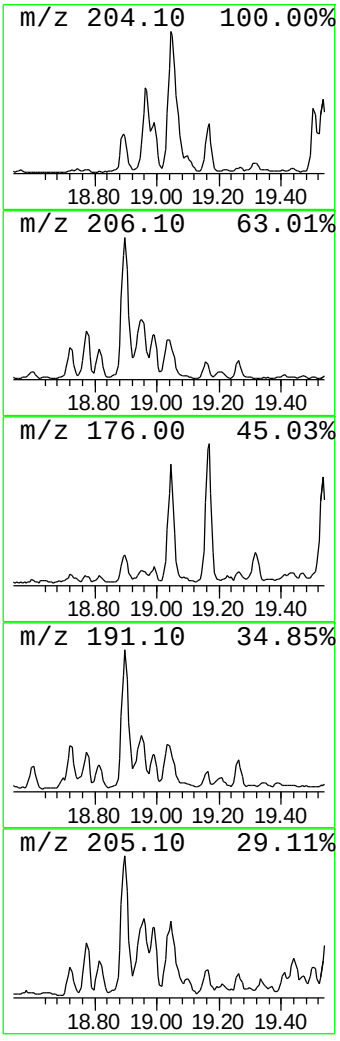
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	8.62 ng	1031350	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





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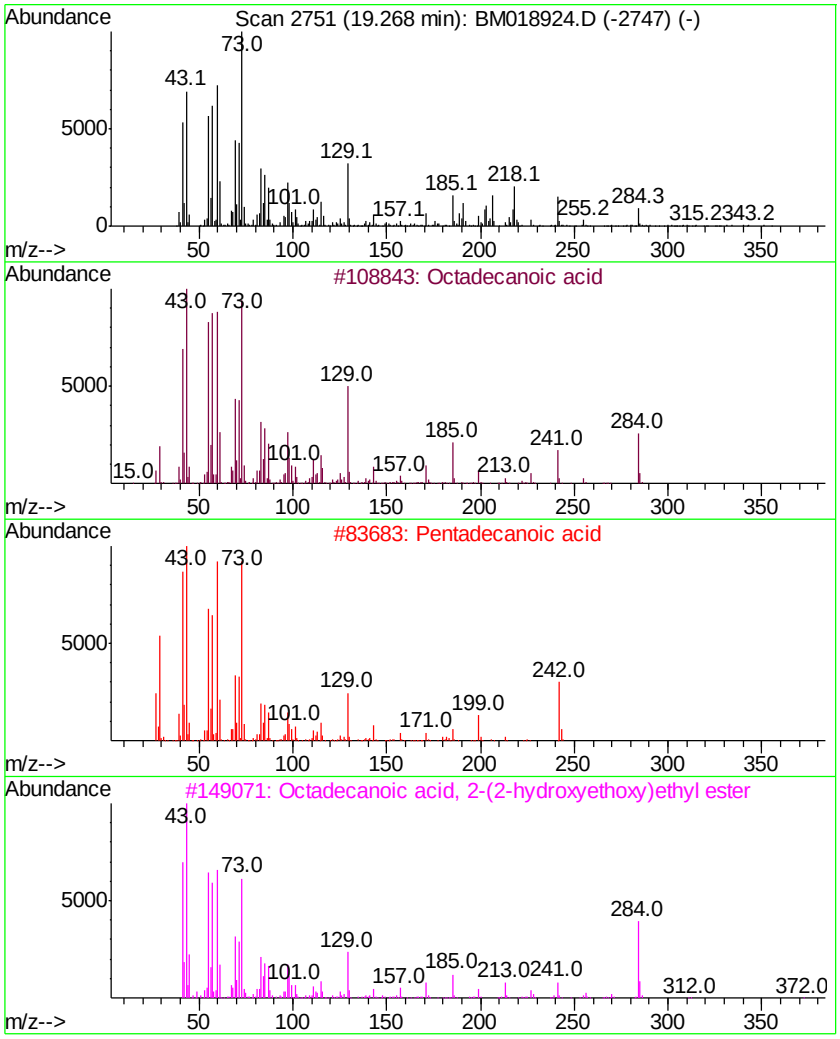
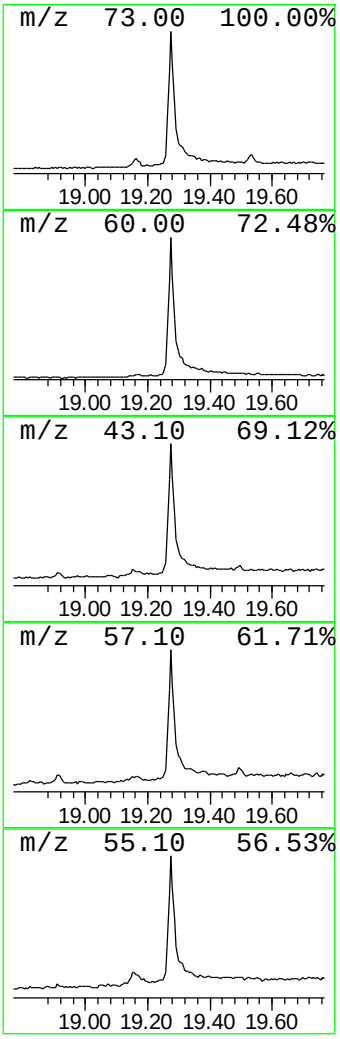
Peak Number 18 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	4.80 ng	1805780	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	25
5	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	20





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TIC Integration Parameters: LSCINT.P

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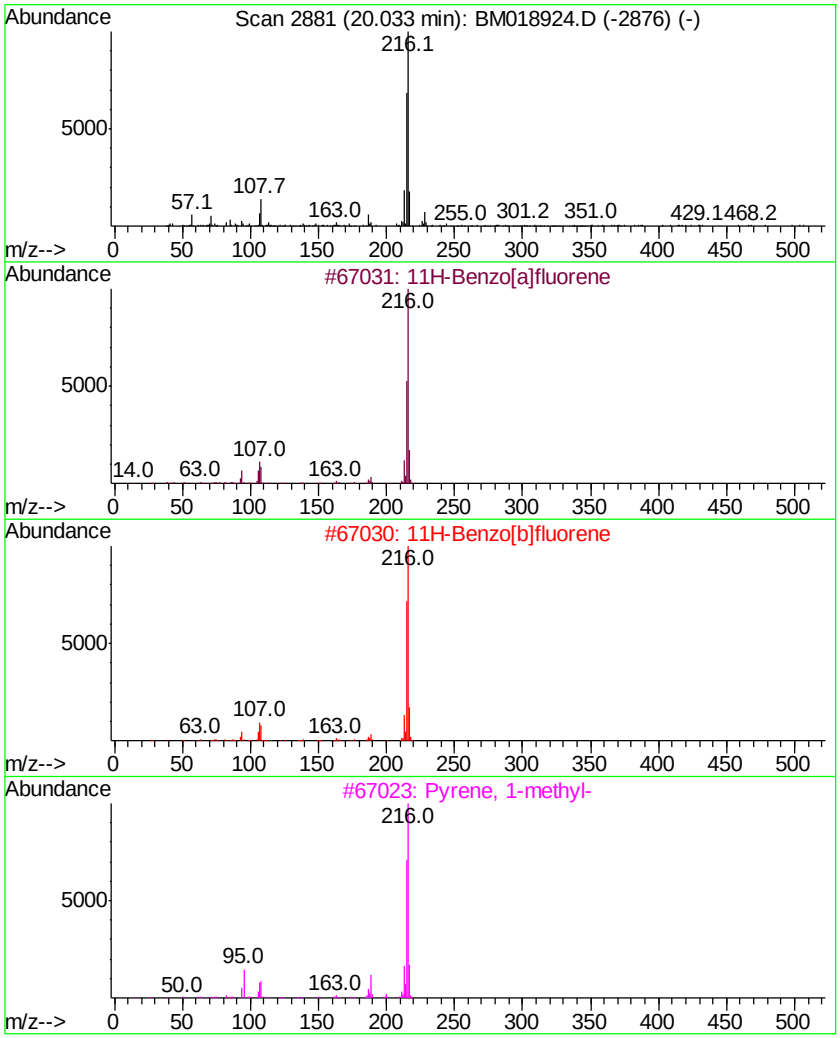
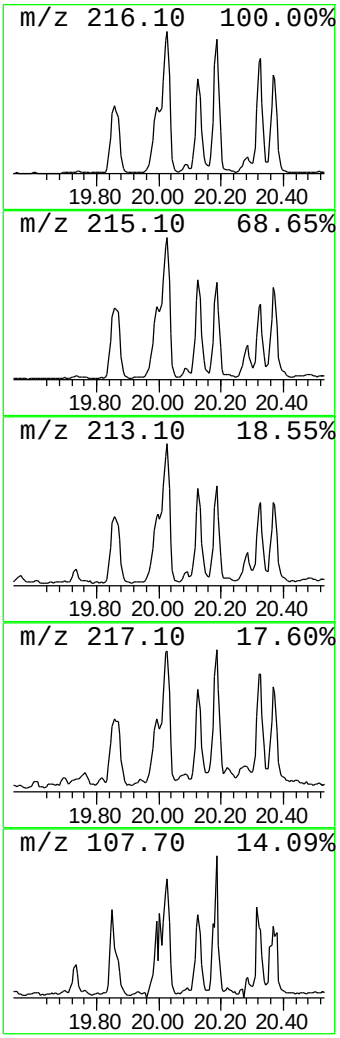
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	4.01 ng	1507680	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022519\
Data File : BM018924.D
Acq On : 25 Feb 2019 21:35
Operator : JU/SJ
Sample : K1597-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown7.23	7.23	15.9	ng	850632	1	7.69	1071790	20.0
Naphthalene, 1,3-...	13.66	4.0	ng	454404	3	14.34	2259180	20.0
9H-Fluorene, 2-me...	16.40	4.6	ng	551020	4	17.10	2392340	20.0
Naphthalene, 1-ph...	17.62	3.6	ng	427326	4	17.10	2392340	20.0
Thioxanthene	17.68	5.0	ng	603846	4	17.10	2392340	20.0
Phenanthrene, 2-m...	17.97	21.9	ng	2624300	4	17.10	2392340	20.0
Phenanthrene, 1-m...	18.10	5.4	ng	648651	4	17.10	2392340	20.0
4H-Cyclopenta[def...	18.17	28.4	ng	3399880	4	17.10	2392340	20.0
Anthracene, 2-met...	18.20	10.6	ng	1268140	4	17.10	2392340	20.0
2-Phenylnaphthalene	18.48	10.4	ng	1240140	4	17.10	2392340	20.0
9,10-Anthracenedione	18.53	8.1	ng	964666	4	17.10	2392340	20.0
9,10-Dimethylanth...	18.90	10.9	ng	1306790	4	17.10	2392340	20.0
9,10-Bis(bromomet...	18.96	5.8	ng	695669	4	17.10	2392340	20.0
Cyclopenta(def)ph...	19.04	8.6	ng	1031350	4	17.10	2392340	20.0
Octadecanoic acid	19.27	4.8	ng	1805780	5	21.30	7523690	20.0
11H-Benzo[a]fluorene	20.03	4.0	ng	1507680	5	21.30	7523690	20.0