LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

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-BM060520.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	5.051	361	368	380	rBV	385560	569865	4.63%	0.416%
2	6.622	628	635	645	rBV	430123	672408	5.46%	0.491%
3	7.416	763	770	779	rBV	627069	926908	7.53%	0.677%
4	7.728	813	823	830	rBV	400298	637306	5.18%	0.465%
5	8.563	959	965	977	rVB	317008	510554	4.15%	0.373%
6	10.175	1231	1239	1245	rBV	834770	1361132	11.06%	0.994%
7	11.851	1514	1524	1533	rVB	250995	428948	3.48%	0.313%
8	12.074	1551	1562	1568	rBV	455522	781242	6.35%	0.570%
9	12.680	1657	1665	1670	rBV	785395	1119089	9.09%	0.817%
10	13.227	1752	1758	1767	rBV3	291962	704825	5.73%	0.515%
11	13.386	1779	1785	1790	rBV	628624	1061349	8.62%	0.775%
12	13.439	1790	1794	1800	rVB	433623	601254	4.88%	0.439%
13	13.621	1820	1825	1829	rVV	384945	593219	4.82%	0.433%
14	13.792	1844	1854	1861	rBV3	314125	569582	4.63%	0.416%
15	14.068	1896	1901	1907	rVB	1232109	1719519	13.97%	1.255%
16	14.133	1907	1912	1917	rBV	1404118	1882785	15.30%	1.375%
17	14.298	1932	1940	1947	rBV3	269397	670453	5.45%	0.489%
18	14.386	1947	1955	1959	rBV2	323137	566977	4.61%	0.414%
19	14.480	1959	1971	1978	rVB3	322701	773403	6.28%	0.565%
20	14.557	1978	1984	1989	rBV	330971	448157	3.64%	0.327%
21	14.704	2003	2009	2014	rBV	355374	593961	4.83%	0.434%
22	14.874	2030	2038	2040	rBV2	190172	409897	3.33%	0.299%
23	14.904	2040	2043	2048	rVB2	234512	314235	2.55%	0.229%
24	15.039	2061	2066	2069	rBV2	246290	366542	2.98%	0.268%
25	15.127	2075	2081	2086	rVB2	946330	1370542	11.13%	1.001%
26	15.227	2093	2098	2100	rBV	328357	498845	4.05%	0.364%
27	15.251	2100	2102	2106	rVV	564321	713043	5.79%	0.521%
28	15.286	2106	2108	2114	rVB3	330762	422988	3.44%	0.309%
29	15.345	2114	2118	2121	rBV2	247221	358833	2.92%	0.262%
30	15.568	2152	2156	2165	rVB3	662250	1128234	9.17%	0.824%
31	15.657	2165	2171	2182	rVB5	133427	378444	3.07%	0.276%
32	15.810	2193	2197	2203	rVB4	250306	452963	3.68%	0.331%
33	16.139	2243	2253	2257	rBV	493937	1077208	8.75%	0.786%
34	16.186	2257	2261	2268	rBV3	406721	758730	6.16%	0.554%

LSC Area Percent Report

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Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

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-BM060520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.286	2274	2278	2284	rVB2	538407	814159	6.61%	0.594%
36	16.339	2284	2287	2290	rBV	248273	317829	2.58%	0.232%
37	16.639	2334	2338	2343	rVV	466804	641100	5.21%	0.468%
38	16.821	2365	2369	2373	rBV	1494513	2064513	16.77%	1.507%
39	16.868	2373	2377	2382	rVV	2601805	3477418	28.25%	2.539%
40	16.957	2385	2392	2398	rVB	1210300	1774997	14.42%	1.296%
41	17.027	2398	2404	2408	rBV2	315815	658398	5.35%	0.481%
42	17.404	2462	2468	2473	rVB	722014	988623	8.03%	0.722%
43	17.551	2488	2493	2499	rBV	472364	803539	6.53%	0.587%
44	17.704	2513	2519	2523	rVV2	968320	1786596	14.51%	1.304%
45	17.751	2523	2527	2534	rVB	1501210	2063573	16.76%	1.507%
46	17.827	2535	2540	2545	rBV	1031414	1541544	12.52%	1.125%
47	17.892	2545	2551	2555	rVV2	2916121	5071271	41.20%	3.702%
48	17.933	2555	2558	2566	rVB	1197826	1597295	12.98%	1.166%
49	18.104	2583	2587	2591	rVB2	336089	472332	3.84%	0.345%
50	18.180	2594	2600	2601	rBV2	222276	365285	2.97%	0.267%
51	18.203	2601	2604	2608	rVV2	575585	844793	6.86%	0.617%
52	18.256	2608	2613	2623	rVB2	376333	949822	7.72%	0.693%
53	18.427	2638	2642	2645	rBV	438213	686946	5.58%	0.502%
54	18.456	2645	2647	2651	rVV	498228	633477	5.15%	0.462%
55	18.509	2652	2656	2659	rVV2	541610	822639	6.68%	0.601%
56	18.545	2659	2662	2666	rVB3	460906	665039	5.40%	0.486%
57	18.633	2672	2677	2682	rBV	1432494	2488027	20.21%	1.816%
58	18.698	2682	2688	2691	rVV3	1064434	1983783	16.12%	1.448%
59	18.727	2691	2693	2696	rVB	489603	462283	3.76%	0.338%
60	18.792	2696	2704	2708	rBV6	636056	1575125	12.80%	1.150%
61	18.898	2716	2722	2727	rBV	6432603	8557259	69.52%	6.248%
62	18.968	2731	2734	2737	rVV	317184	433516	3.52%	0.317%
63	18.998	2737	2739	2743	rVB3	328150	374191	3.04%	0.273%
64	19.139	2759	2763	2768	rBV2	804926	1185451	9.63%	0.865%
65	19.186	2768	2771	2775	rVB2	276404	314379	2.55%	0.230%
66	19.262	2775	2784	2788	rBV	7767708	12309164	100.00%	8.987%
67	19.350	2793	2799	2804	rVB2	589791	1132362	9.20%	0.827%
68	19.480	2817	2821	2824	rBV	1462805	1795934	14.59%	1.311%
69	19.598	2836	2841	2847	rBV	826161	1686638	13.70%	1.231%
70	19.686	2852	2856	2859	rBV2	492139	694629	5.64%	0.507%
71	19.733	2859	2864	2865	rVV2	667995	1020703	8.29%	0.745%

LSC Area Percent Report

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Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

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-BM060520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.762	2866	2869	2874	rVB	1785626	2437820	19.80%	1.780%
73	19.868	2883	2887	2891	rVB	1486467	1851696	15.04%	1.352%
74	19.921	2891	2896	2900	rBV2	1236129	1834729	14.91%	1.340%
75	20.062	2916	2920	2924	rBV	946123	1114778	9.06%	0.814%
76	20.109	2924	2928	2932	rVB	1098231	1346170	10.94%	0.983%
77	20.362	2969	2971	2974	rVV2	309098	430981	3.50%	0.315%
78	20.392	2974	2976	2980	rVB	311872	394858	3.21%	0.288%
79	20.486	2987	2992	2996	rBV3	466074	983304	7.99%	0.718%
80	20.680	3019	3025	3029	rBV2	974056	1576793	12.81%	1.151%
81	20.721	3029	3032	3035	rVB	543134	537132	4.36%	0.392%
82	20.756	3035	3038	3040	rBV	356980	421635	3.43%	0.308%
83	20.921	3063	3066	3069	rBV	257669	299271	2.43%	0.218%
84	21.027	3078	3084	3088	rBV2	3473218	6755992	54.89%	4.932%
85	21.074	3088	3092	3102	rVB	3195866	4353663	35.37%	3.179%
86	21.156	3103	3106	3108	rBV	391575	432818	3.52%	0.316%
87	21.186	3108	3111	3115	rBV	793960	989790	8.04%	0.723%
88	21.521	3165	3168	3171	rBV	307268	379879	3.09%	0.277%
89	21.574	3171	3177	3181	rVV	1174799	1783412	14.49%	1.302%
90	21.621	3182	3185	3188	rVB2	695452	716211	5.82%	0.523%
91	21.715	3198	3201	3204	rVB2	453128	490436	3.98%	0.358%
92	21.756	3205	3208	3211	rVV	865858	1035752	8.41%	0.756%
93	21.786	3211	3213	3218	rVB	682771	789949	6.42%	0.577%
94	21.850	3220	3224	3234	rVB3	504895	960871	7.81%	0.702%
95	22.521	3334	3338	3348	rVB	1396498	3650181	29.65%	2.665%
96	22.962	3408	3413	3419	rVB	1117010	1869339	15.19%	1.365%
97	23.050	3422	3428	3436	rBV	1945099	3396380	27.59%	2.480%
98	23.133	3438	3442	3447	rBV	1303518	1988927	16.16%	1.452%
99	25.185	3786	3791	3800	rVB	821102	1889152	15.35%	1.379%
100	25.809	3892	3897	3909	rVB	669367	1759634	14.30%	1.285%

Sum of corrected areas: 136969625

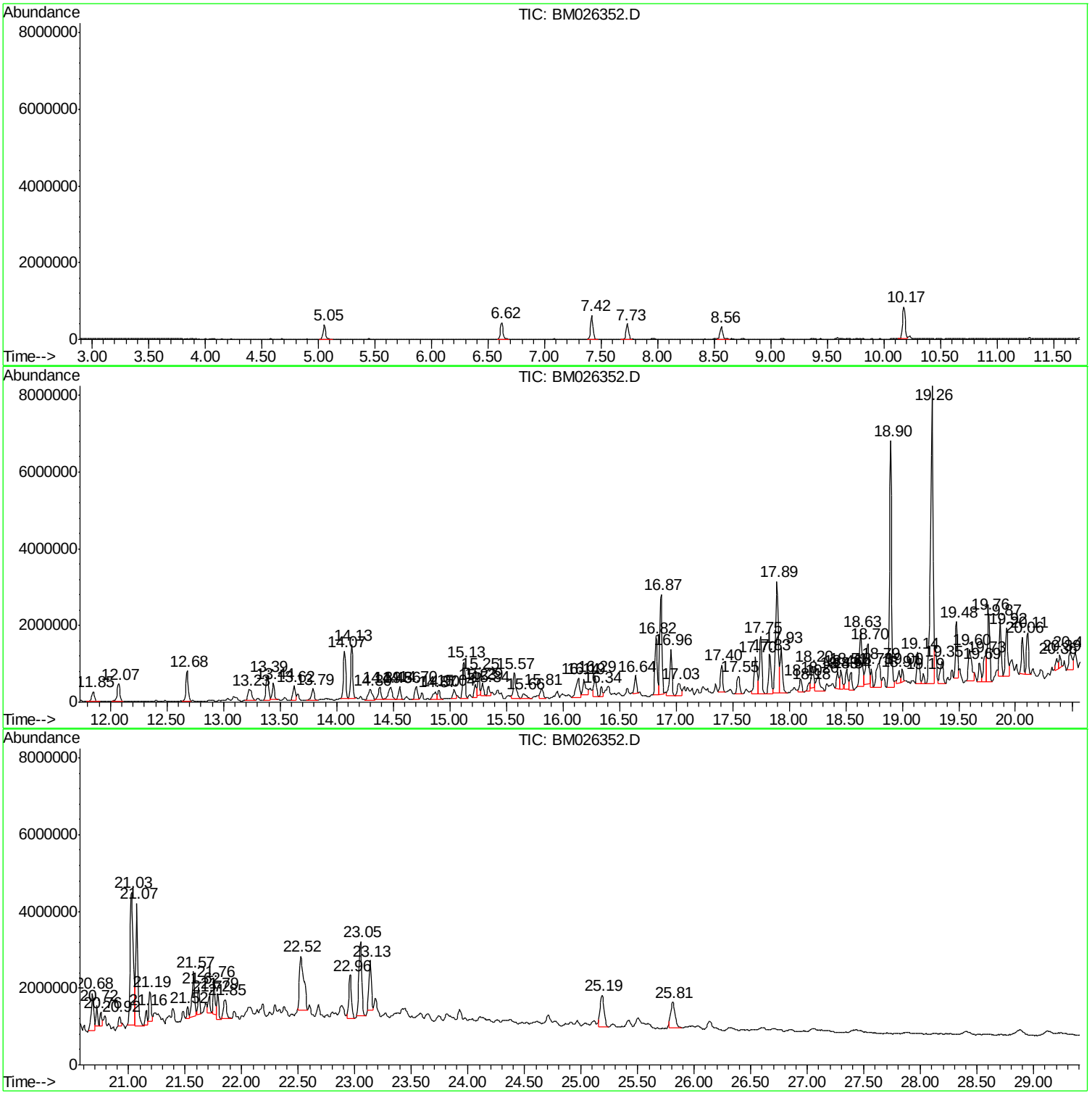
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.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\BM061120\
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Acq On : 11 Jun 2020 12:41
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Instrument : BNA_M
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

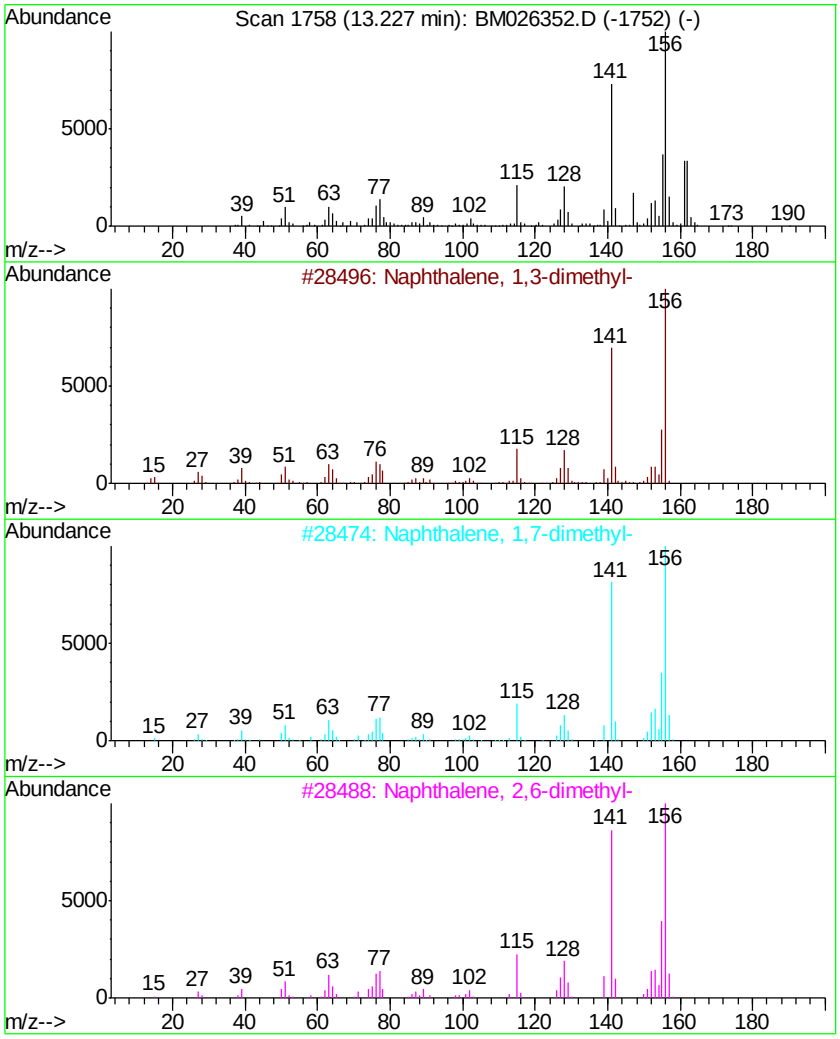
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

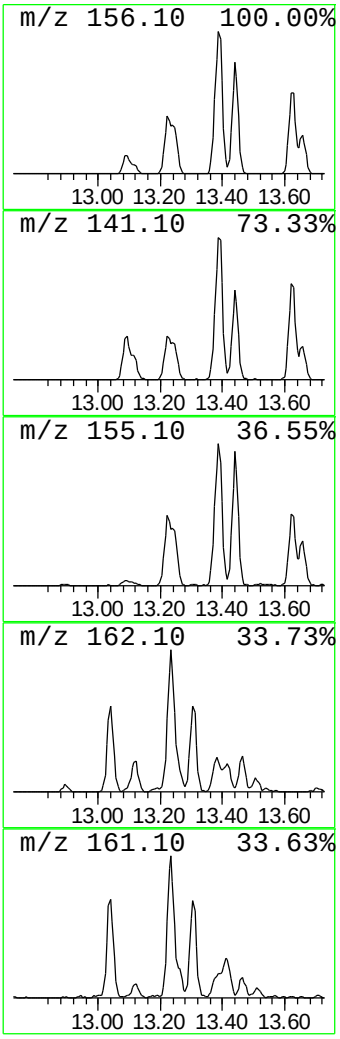
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	8.20 ng	704825	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





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Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

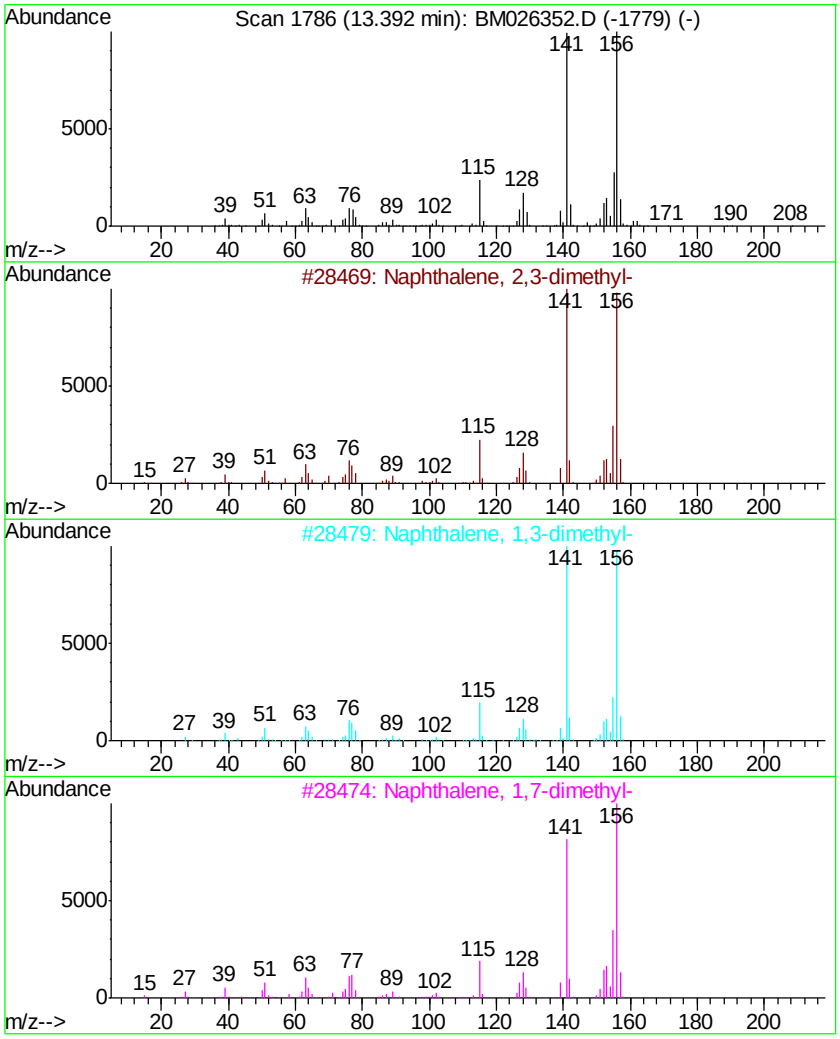
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

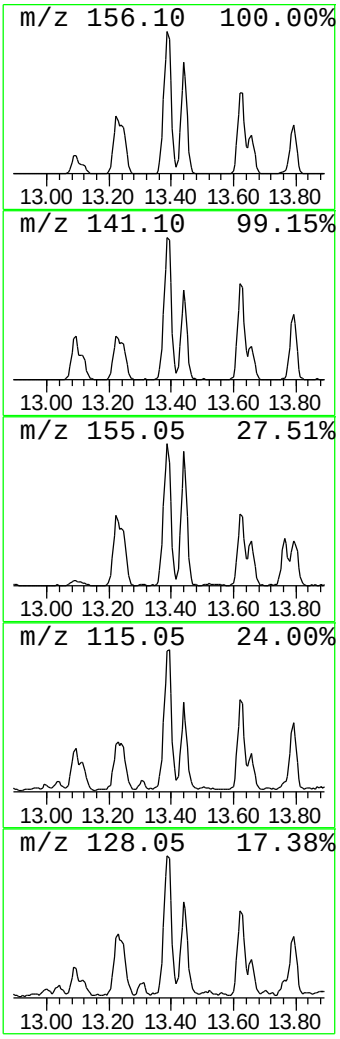
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	12.34 ng	1061350	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

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Acq On : 11 Jun 2020 12:41
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Misc :
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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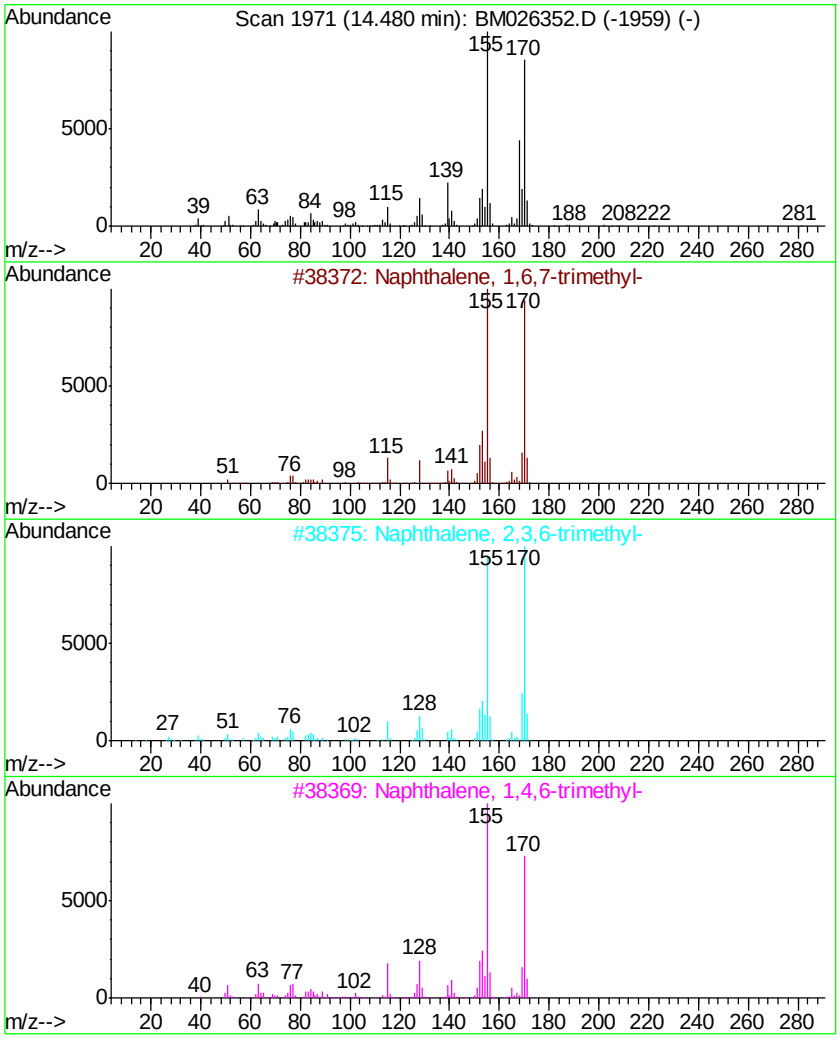
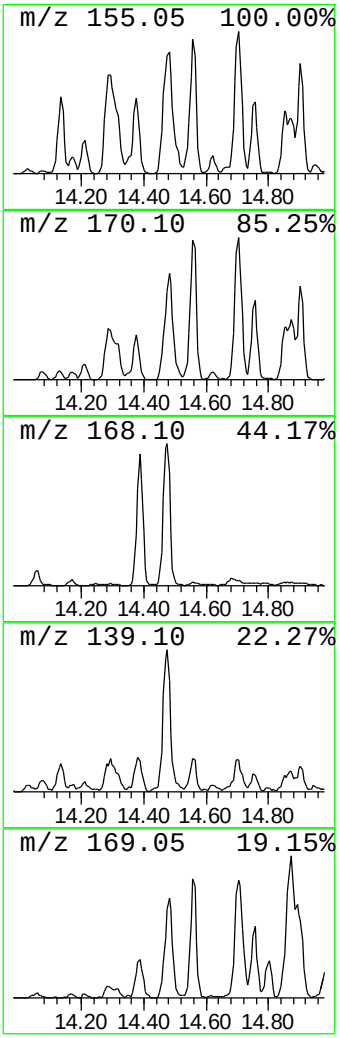
Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	9.00 ng	773403	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	60





Library Search Compound Report

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Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

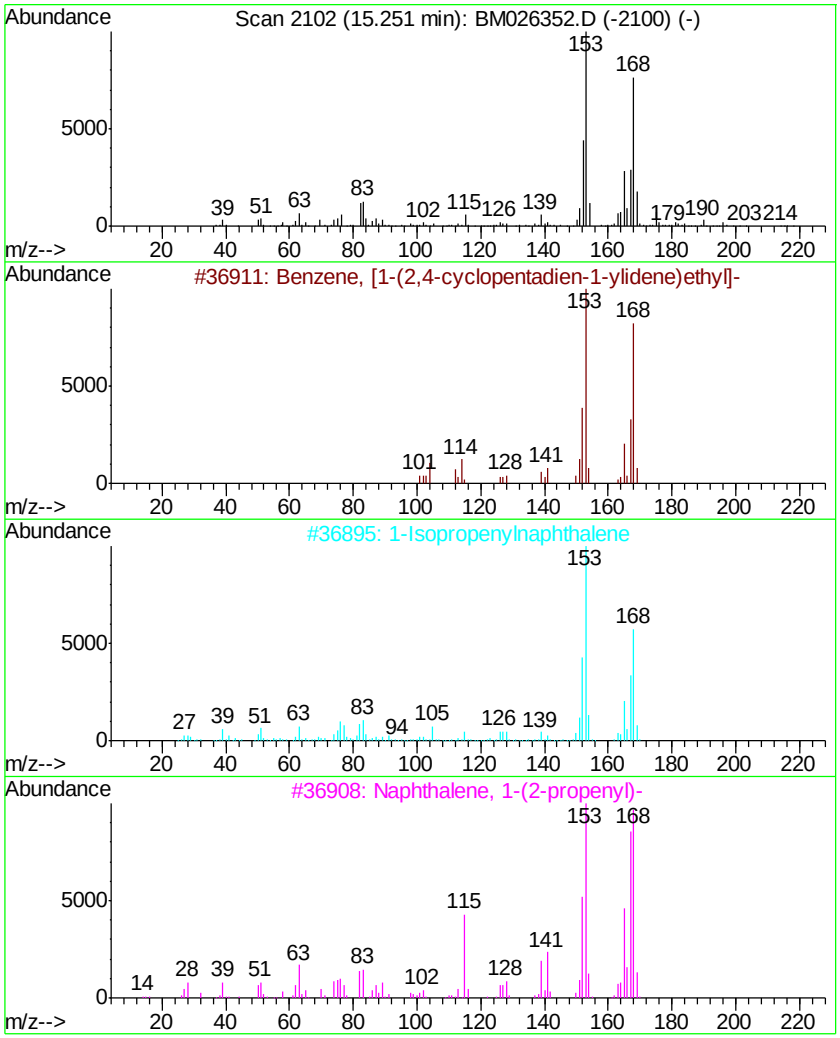
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

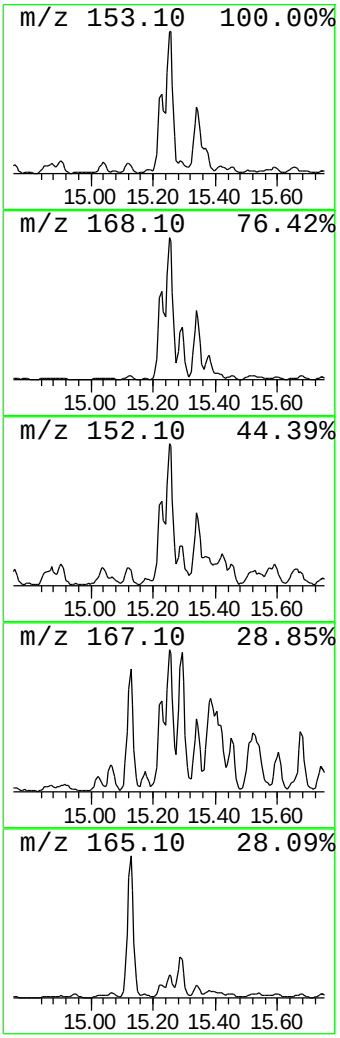
****

Peak Number 5 Benzene, [1-(2,4-cyclopenta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	8.29 ng	713043	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

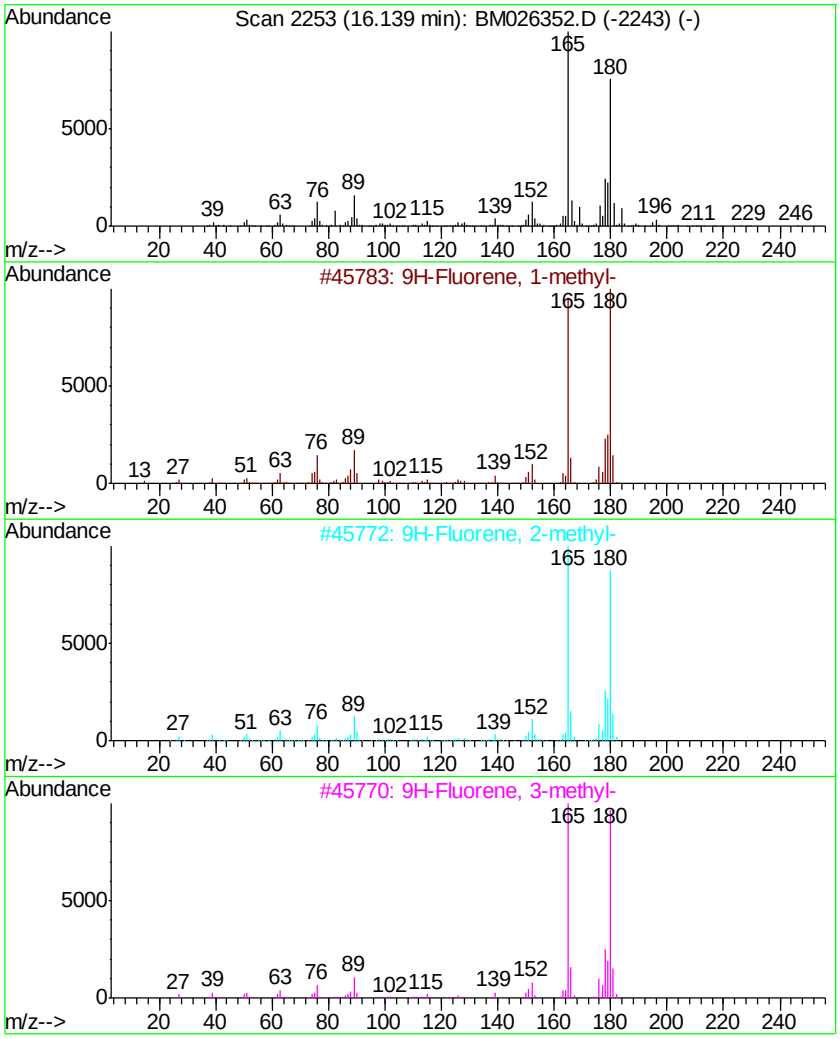
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

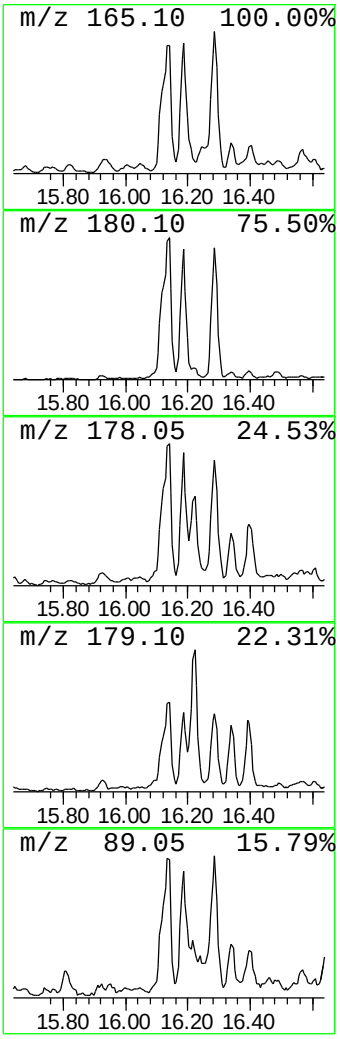
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	10.44 ng	1077210	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





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Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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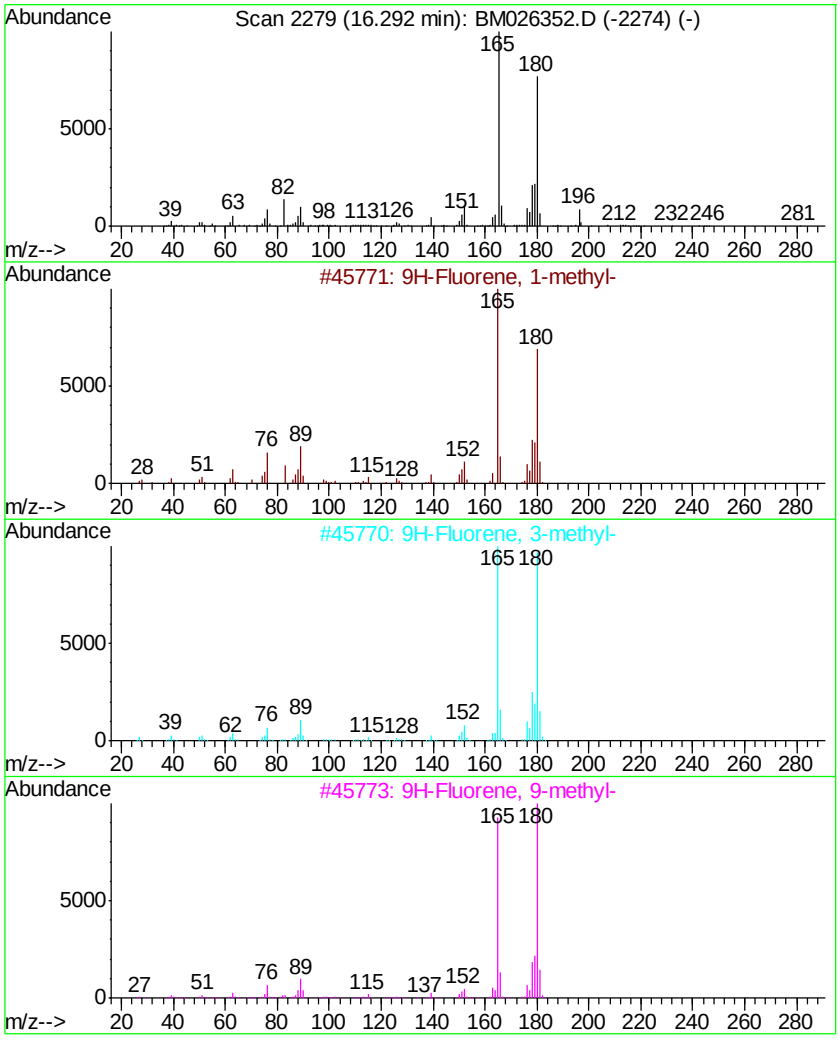
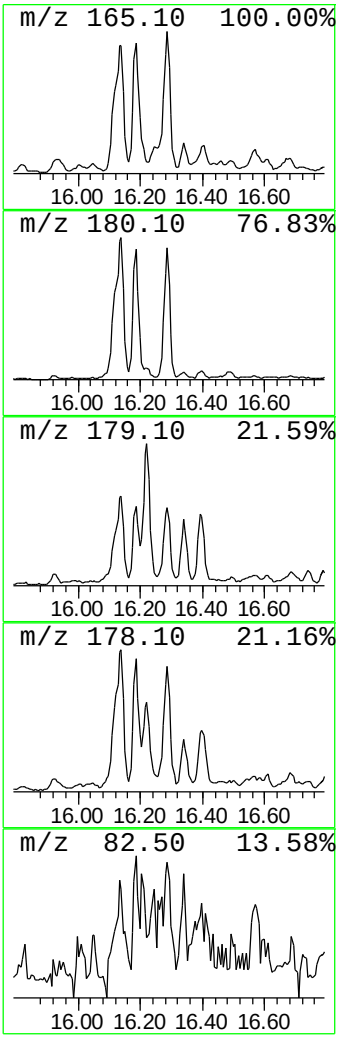
Peak Number 7 9H-Fluorene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	7.89 ng	814159	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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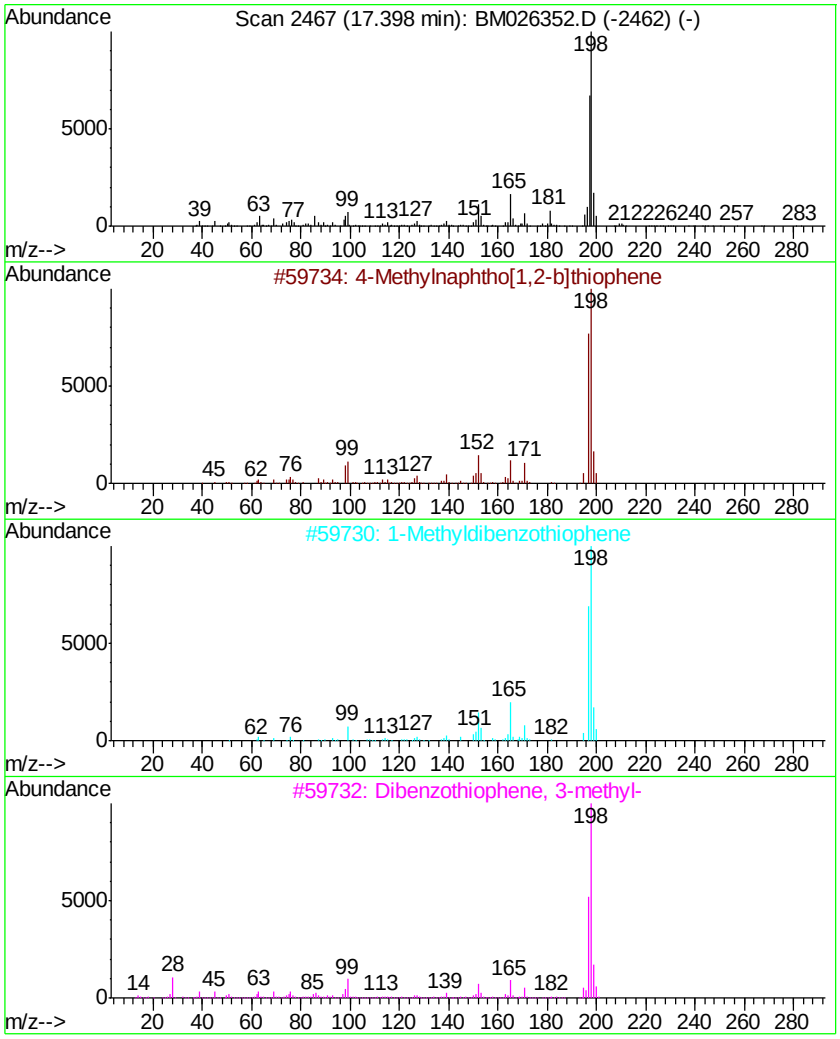
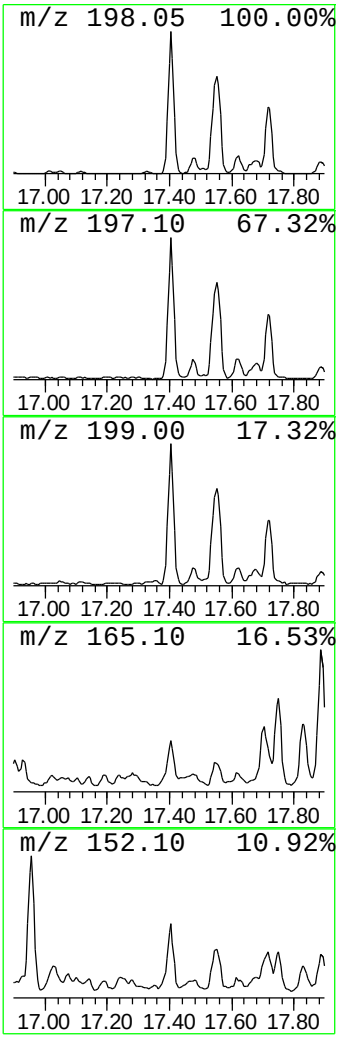
Peak Number 8 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	9.58 ng	988623	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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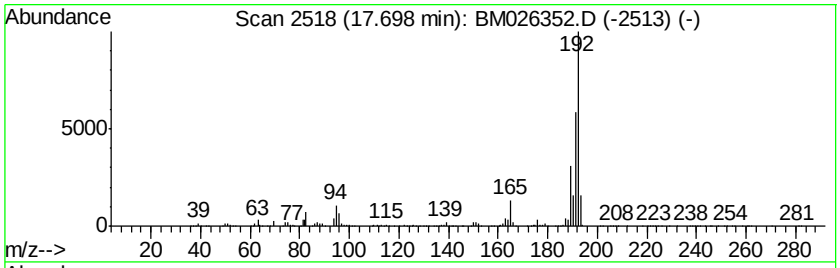
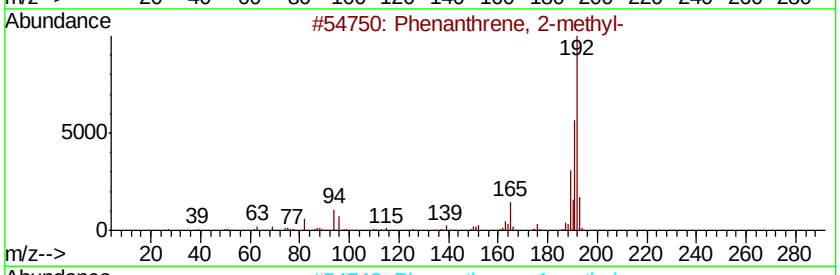
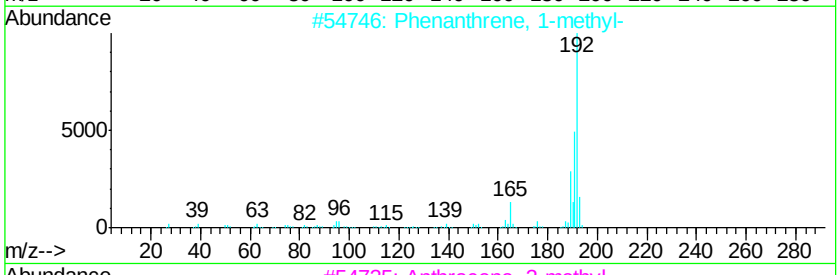
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

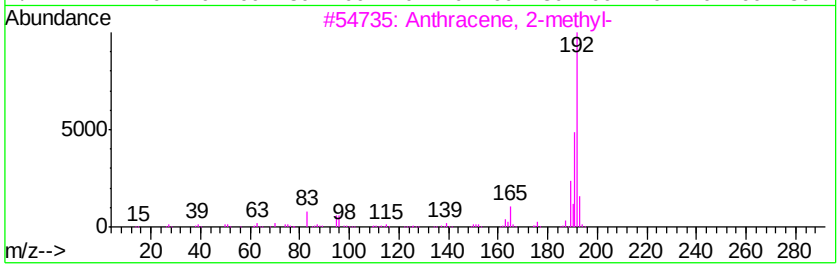
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	17.31 ng	1786600	Phenanthrene-d10	16.82

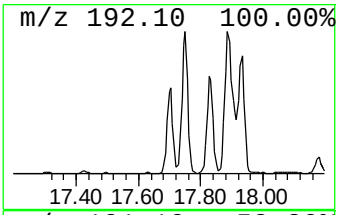
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93

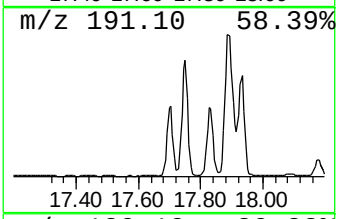


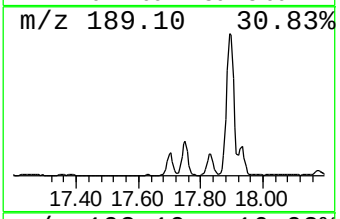


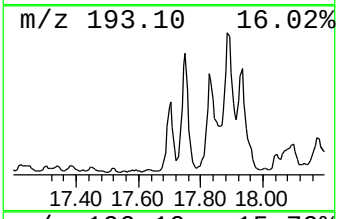


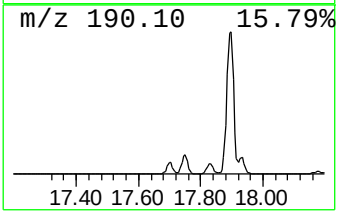












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Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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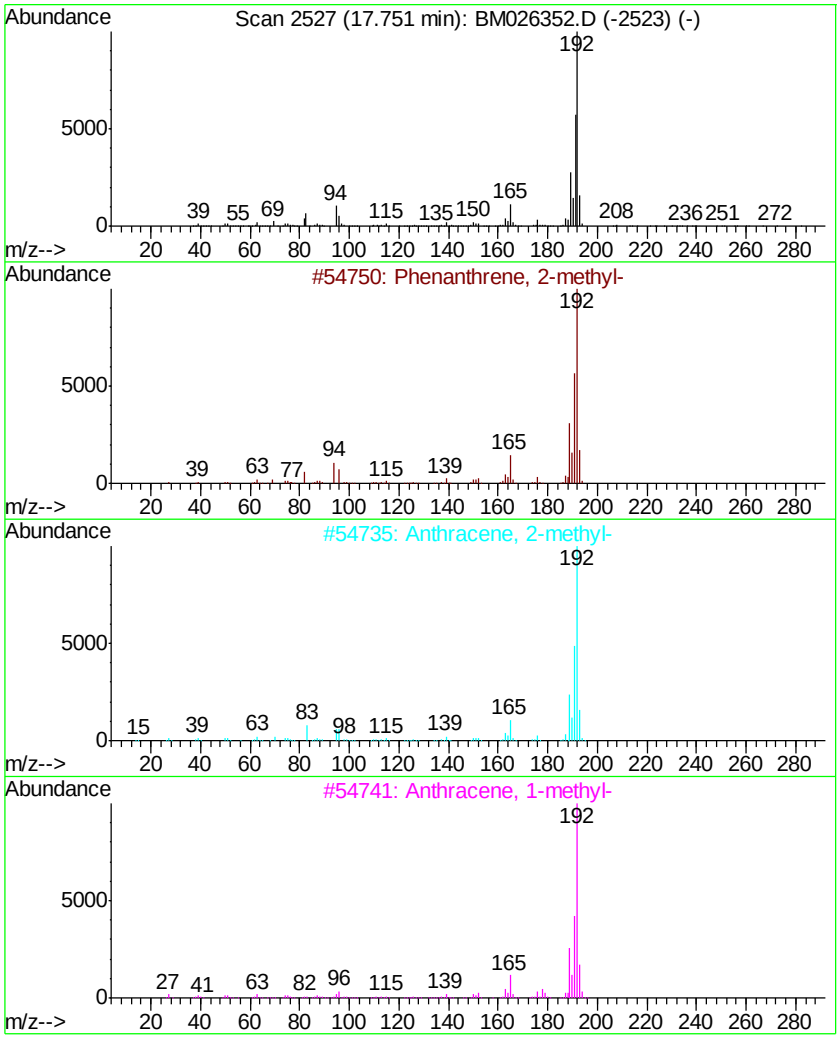
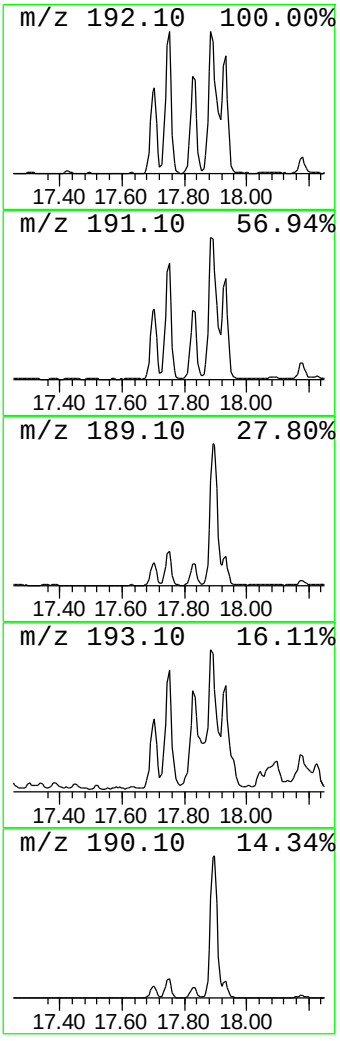
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	19.99 ng	2063570	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Sample : L2970-02 2X
Misc :
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Instrument : BNA_M
ClientSampleId : 600472986

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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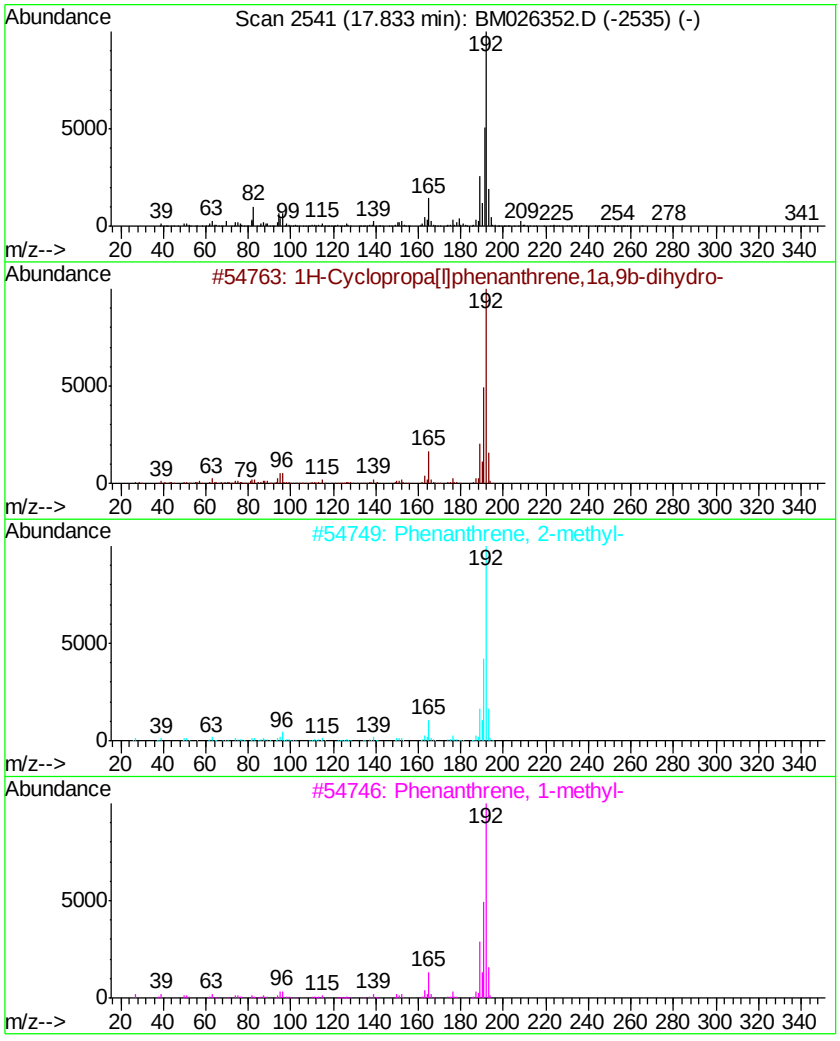
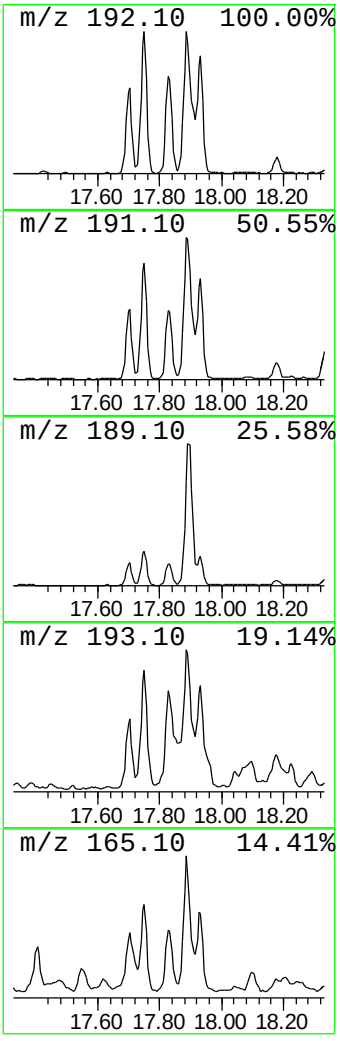
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	14.93 ng	1541540	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

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Sample : L2970-02 2X
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Instrument : BNA_M
ClientSampleId : 600472986

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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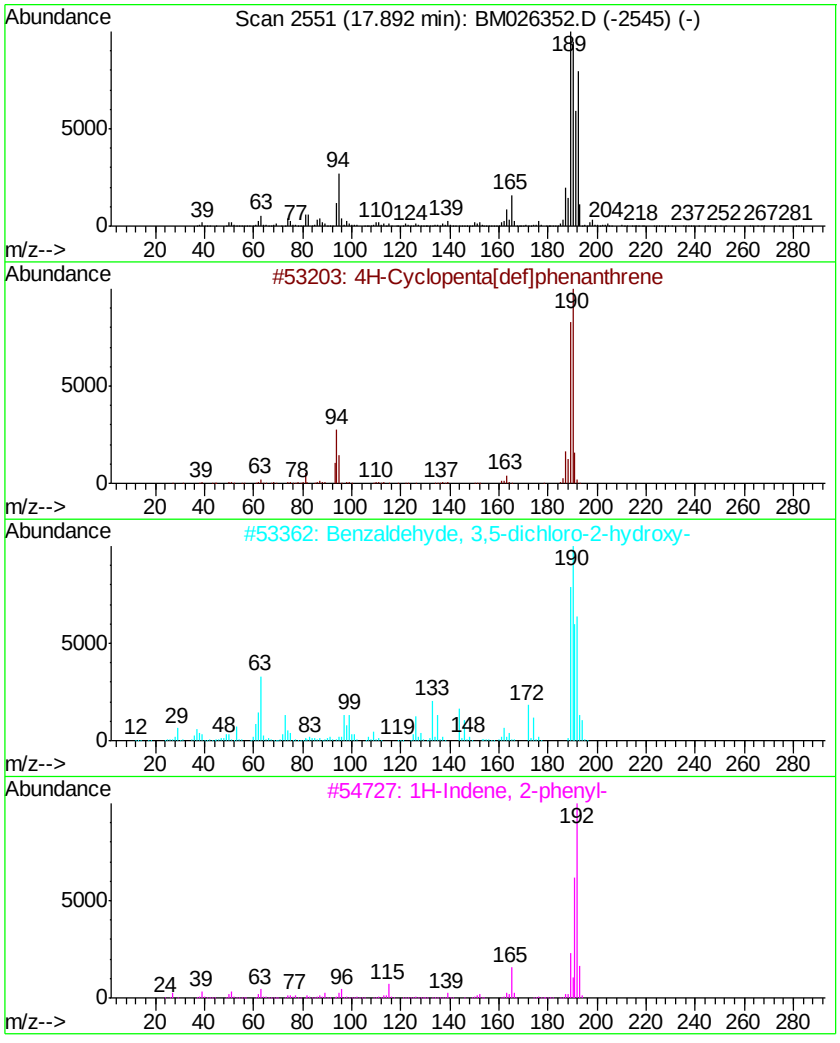
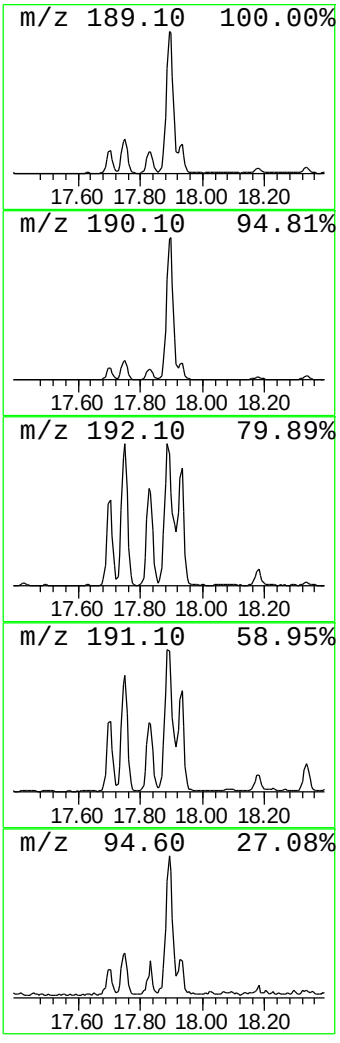
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	49.13 ng	5071270	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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Instrument : BNA_M
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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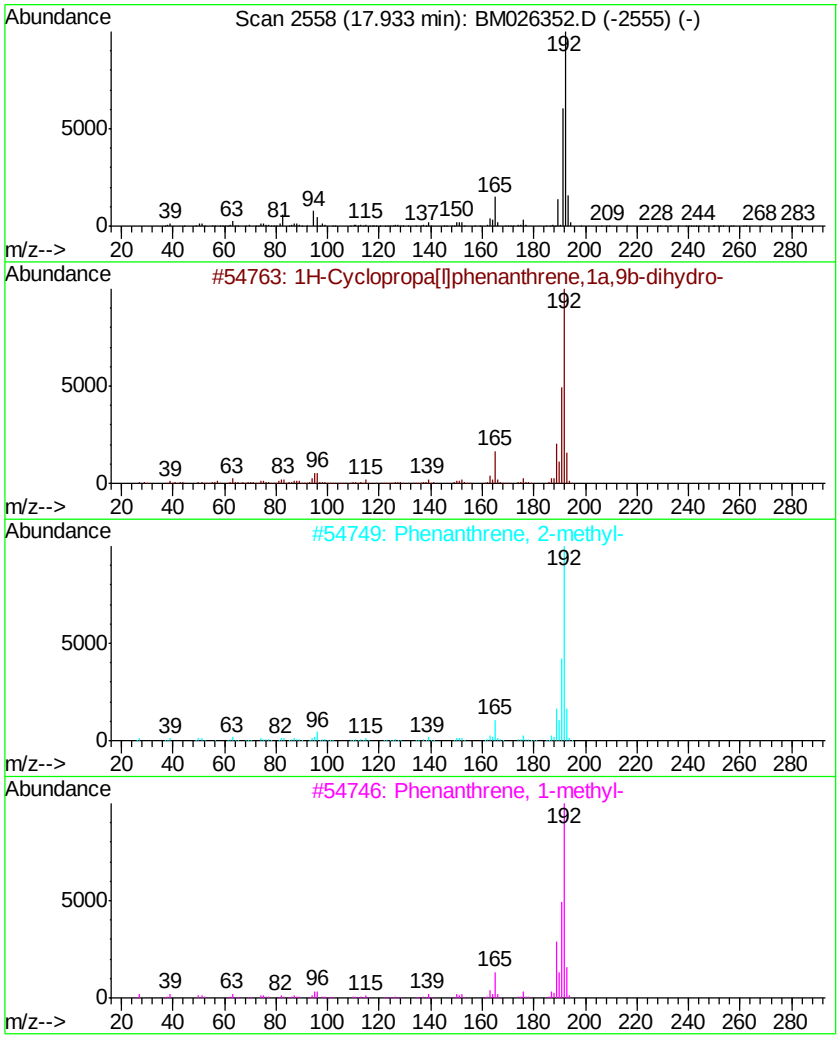
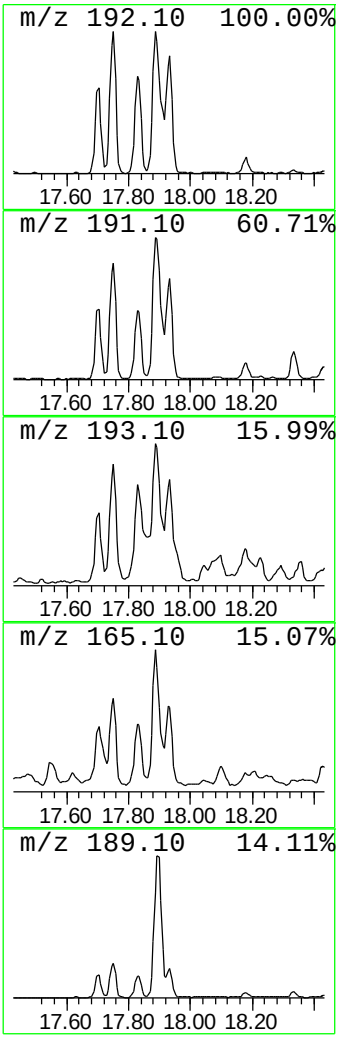
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	15.47 ng	1597300	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Misc :
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Instrument : BNA_M
ClientSampleId : 600472986

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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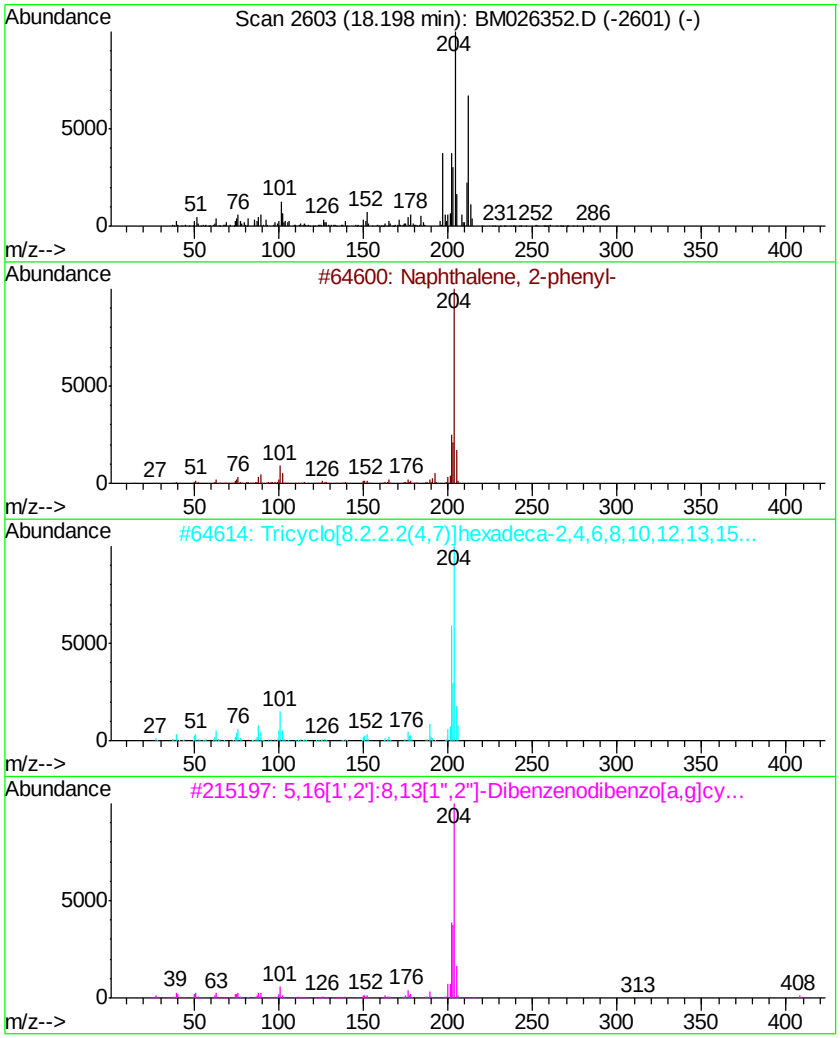
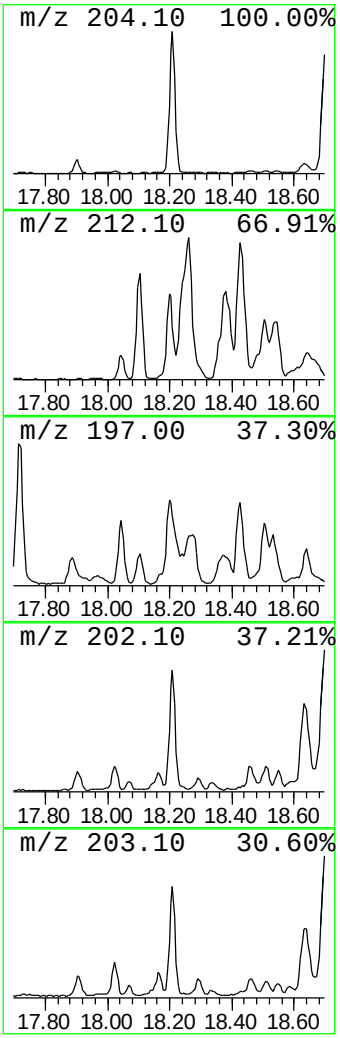
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	8.18 ng	844793	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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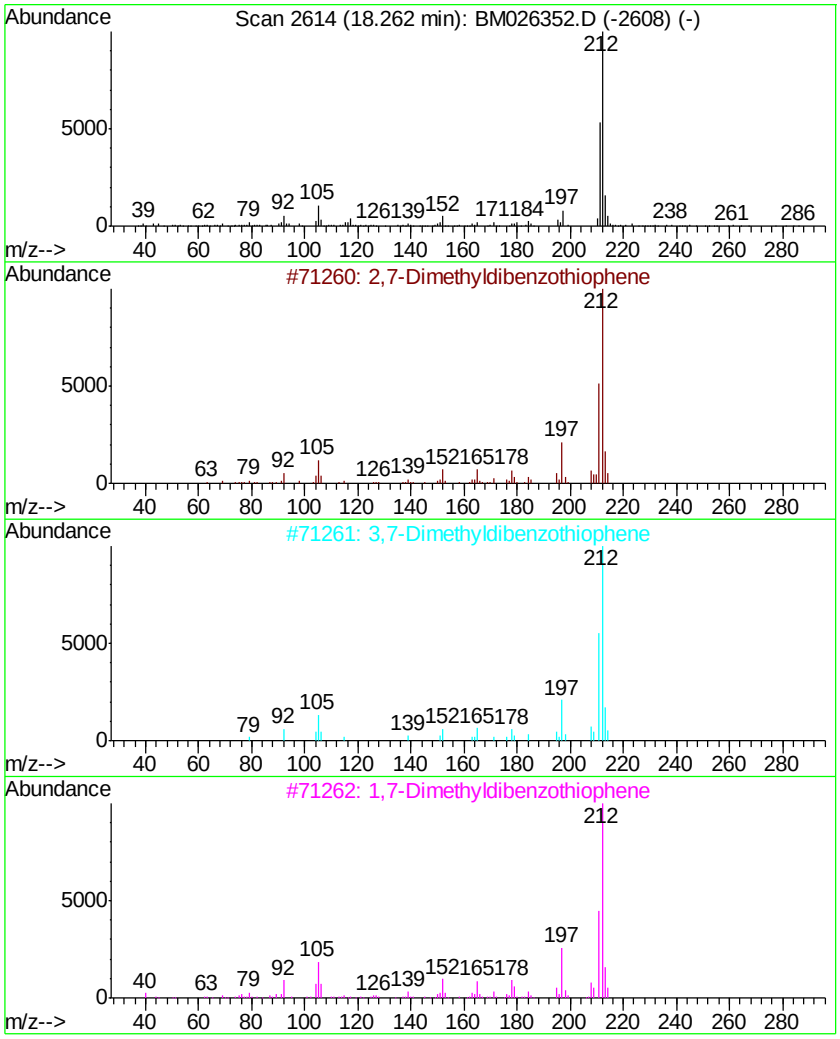
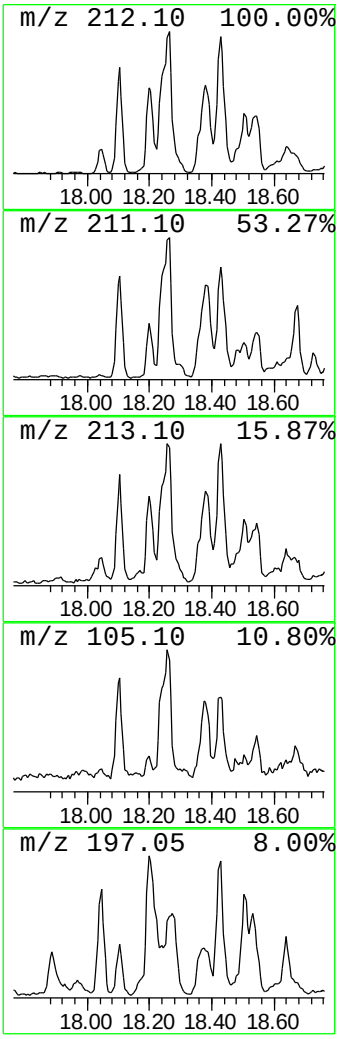
Peak Number 15 2,7-Dimethyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	9.20 ng	949822	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	94
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	93
3	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	87
4	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	86
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	78





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ClientSampleId : 600472986

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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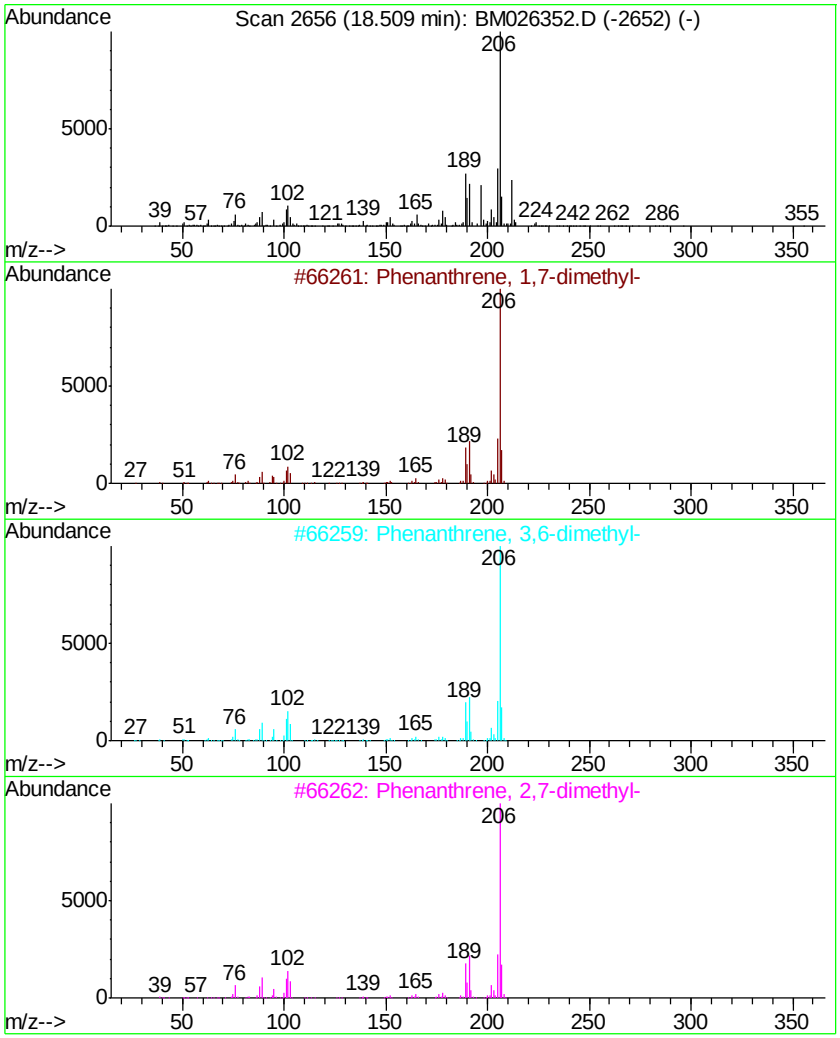
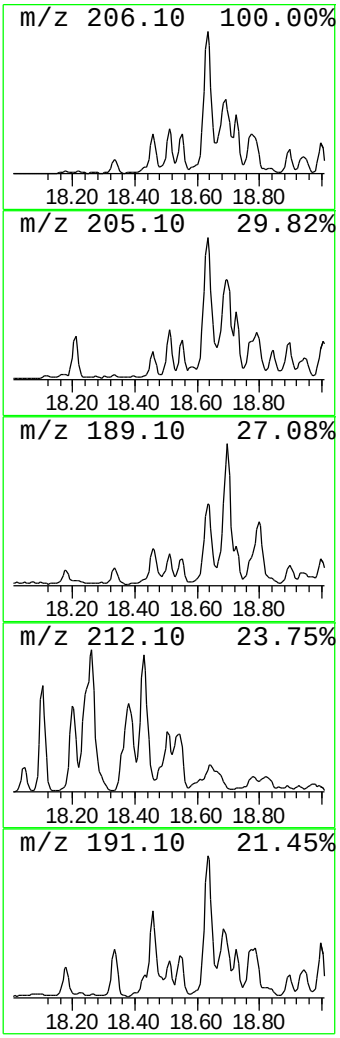
Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	7.97 ng	822639	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





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Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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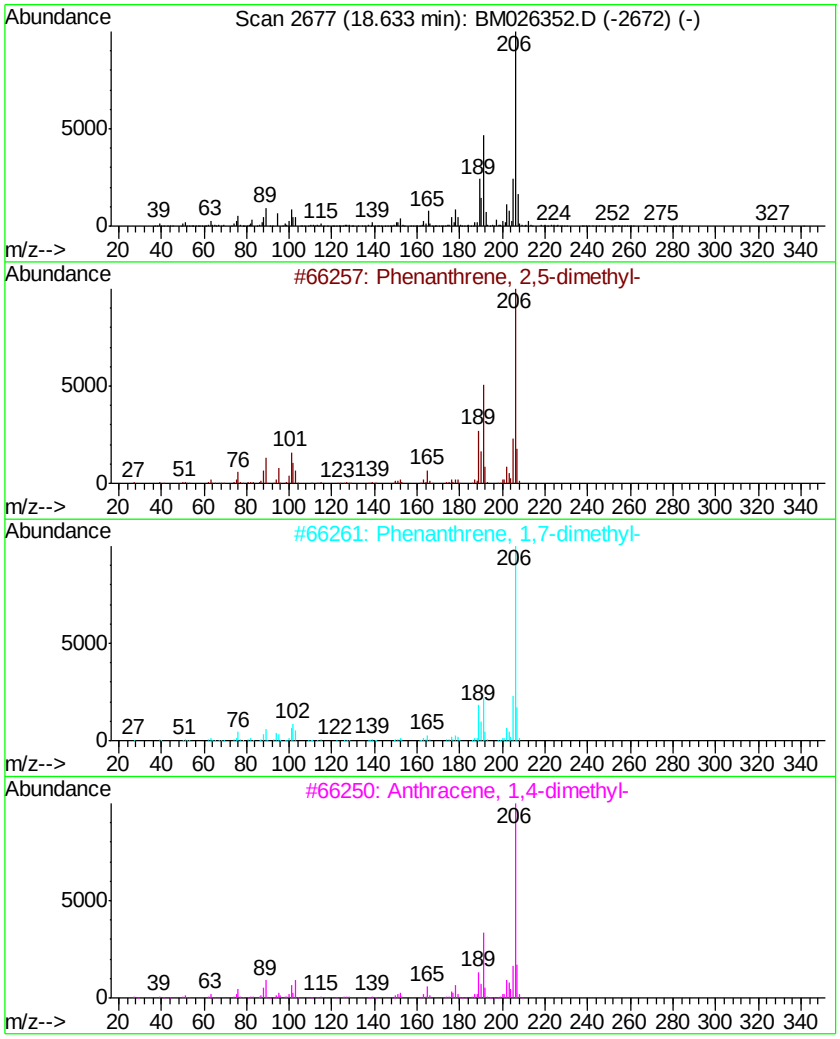
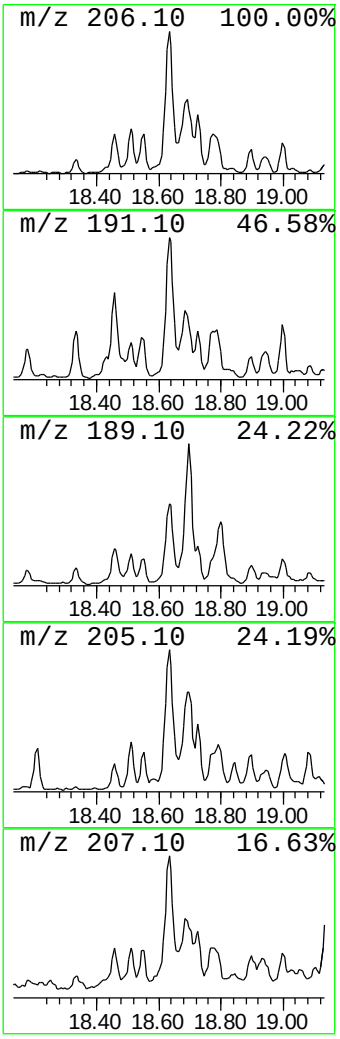
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	24.10 ng	2488030	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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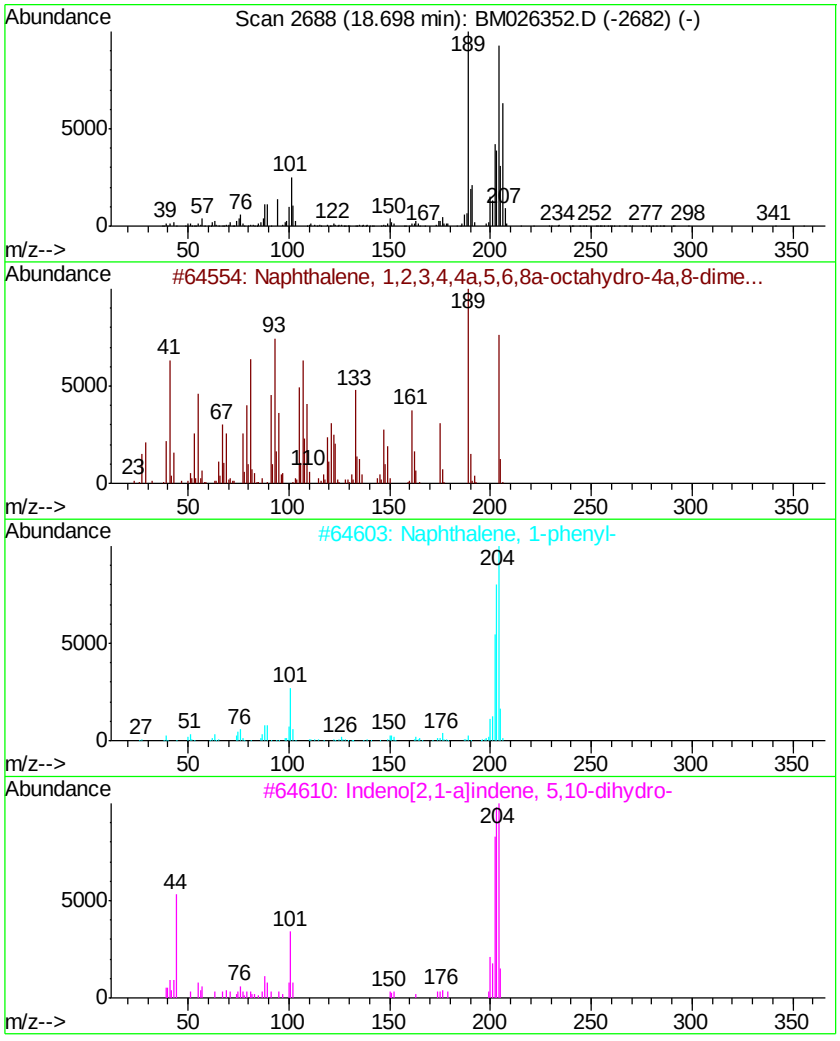
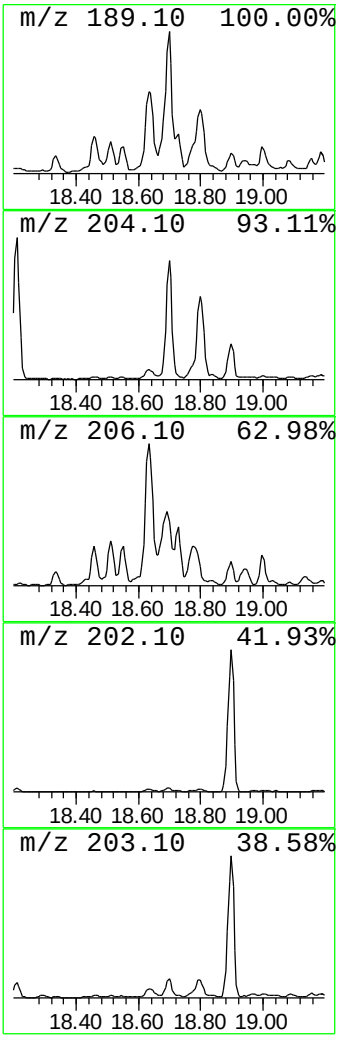
Peak Number 18 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	19.22 ng	1983780	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	60
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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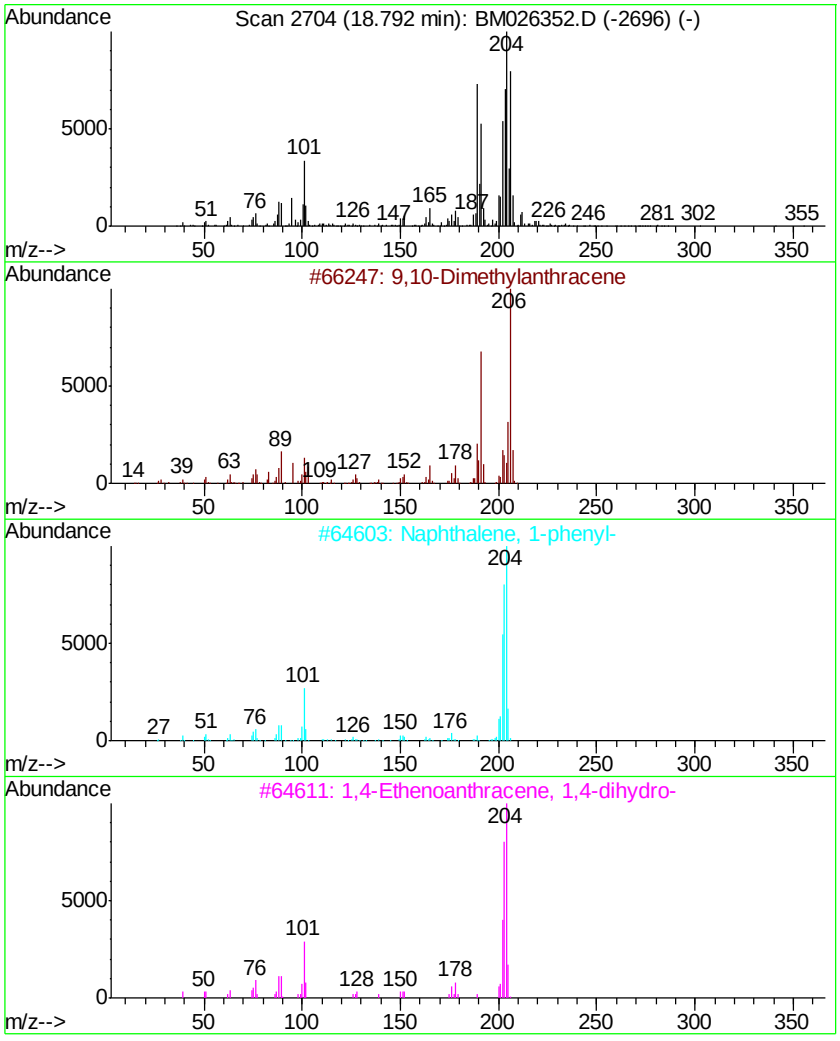
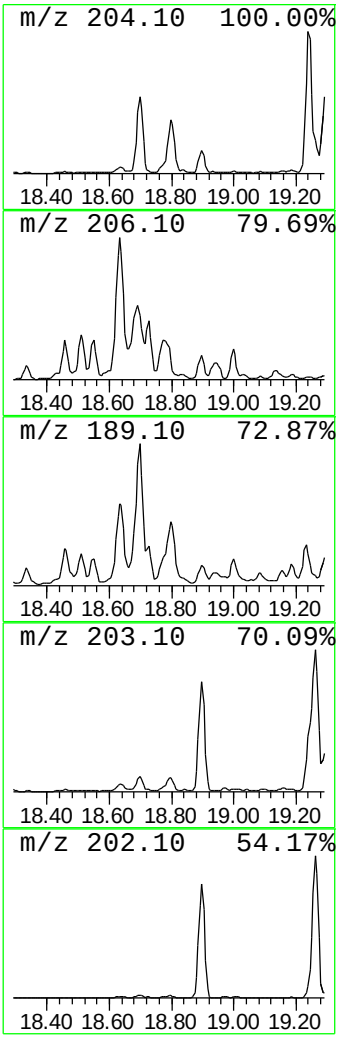
Peak Number 19 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	15.26 ng	1575130	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	81
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	80
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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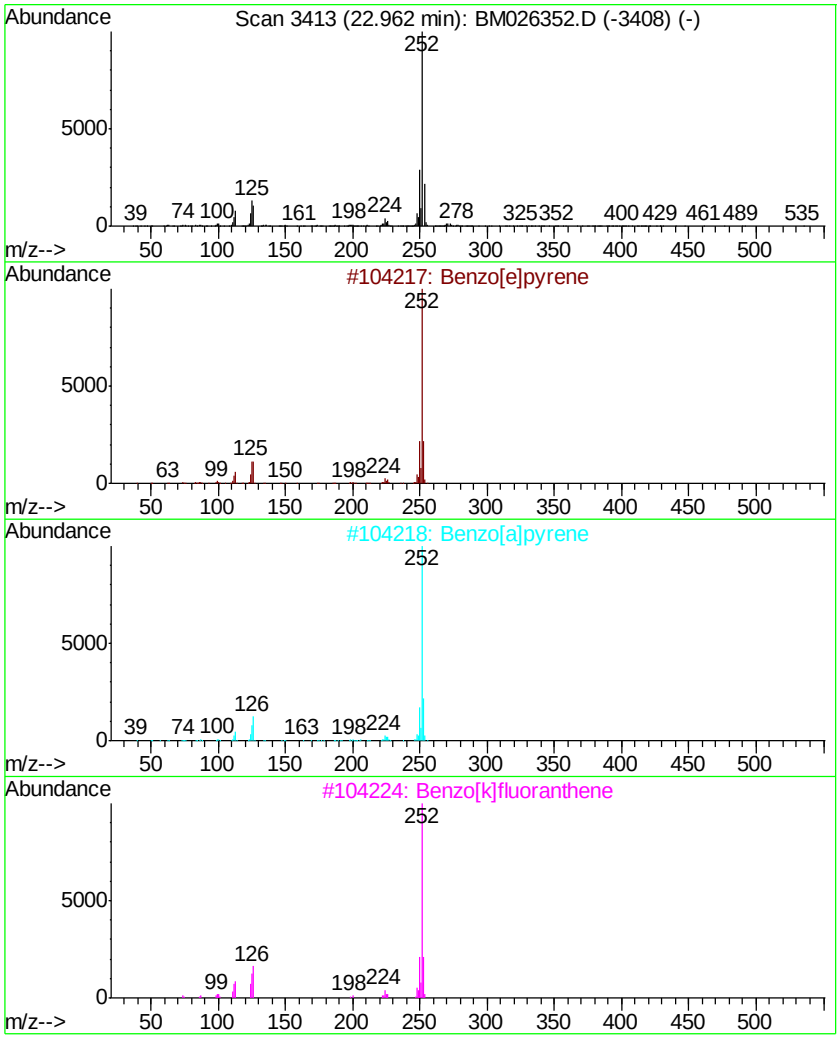
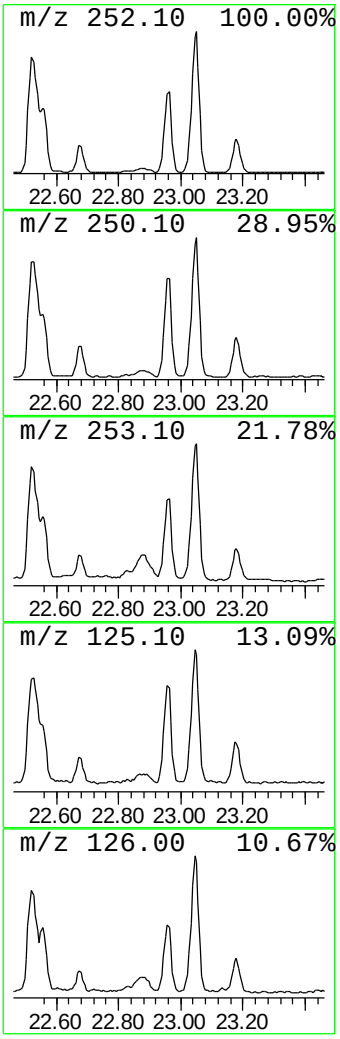
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	18.80 ng	1869340	Perylene-d12	23.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061120\
Data File : BM026352.D
Acq On : 11 Jun 2020 12:41
Operator : JU/CG
Sample : L2970-02 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 600472986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM060520.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
Naphthalene, 1,3-...	13.23	8.2	ng	704825	3	14.07	1719520	20.0
Naphthalene, 2,3-...	13.39	12.3	ng	1061350	3	14.07	1719520	20.0
Naphthalene, 1,6,...	14.48	9.0	ng	773403	3	14.07	1719520	20.0
Benzene, [1-(2,4-...	15.25	8.3	ng	713043	3	14.07	1719520	20.0
9H-Fluorene, 1-me...	16.14	10.4	ng	1077210	4	16.82	2064510	20.0
9H-Fluorene, 3-me...	16.29	7.9	ng	814159	4	16.82	2064510	20.0
4-Methylnaphtho[1...	17.40	9.6	ng	988623	4	16.82	2064510	20.0
Phenanthrene, 2-m...	17.70	17.3	ng	1786600	4	16.82	2064510	20.0
Anthracene, 2-met...	17.75	20.0	ng	2063570	4	16.82	2064510	20.0
1H-Cyclopropa[l]p...	17.83	14.9	ng	1541540	4	16.82	2064510	20.0
4H-Cyclopenta[def...	17.89	49.1	ng	5071270	4	16.82	2064510	20.0
Anthracene, 9-met...	17.93	15.5	ng	1597300	4	16.82	2064510	20.0
Naphthalene, 2-ph...	18.20	8.2	ng	844793	4	16.82	2064510	20.0
2,7-Dimethyldiben...	18.26	9.2	ng	949822	4	16.82	2064510	20.0
Phenanthrene, 1,7...	18.51	8.0	ng	822639	4	16.82	2064510	20.0
Phenanthrene, 2,5...	18.63	24.1	ng	2488030	4	16.82	2064510	20.0
Naphthalene, 1,2,...	18.70	19.2	ng	1983780	4	16.82	2064510	20.0
9,10-Dimethylanth...	18.79	15.3	ng	1575130	4	16.82	2064510	20.0
Benzo[e]pyrene	22.96	18.8	ng	1869340	6	23.14	1988930	20.0