LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

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:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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	5.059	256	260	264	rVB	1551343	2708294	46.50%	3.394%
2	5.470	293	296	299	rBV	4634428	4870314	83.61%	6.103%
3	6.499	382	386	388	rBV	5113162	5733567	98.43%	7.185%
4	6.636	395	398	400	rBV	4869019	5824734	100.00%	7.299%
5	6.864	415	418	420	rBV	1205985	1150750	19.76%	1.442%
6	7.024	429	432	434	rVB	3405301	3944308	67.72%	4.943%
7	7.425	464	467	469	rBV	3328875	3419712	58.71%	4.285%
8	7.516	473	475	479	rVB2	30677	61888	1.06%	0.078%
9	7.893	502	508	509	rBV2	55082	103836	1.78%	0.130%
10	8.065	521	523	524	rVV2	49739	63940	1.10%	0.080%
11	8.145	527	530	534	rVV	1578394	1590372	27.30%	1.993%
12	8.396	549	552	553	rVV2	57002	105547	1.81%	0.132%
13	8.510	556	562	563	rBV	63564	120428	2.07%	0.151%
14	8.590	567	569	572	rVV	156004	301620	5.18%	0.378%
15	8.659	572	575	578	rVB	145572	231909	3.98%	0.291%
16	8.819	584	589	590	rBV3	65526	137204	2.36%	0.172%
17	8.956	598	601	604	rBV2	68062	120421	2.07%	0.151%
18	9.070	607	611	612	rBV	47652	66929	1.15%	0.084%
19	9.105	612	614	618	rVV2	122174	220971	3.79%	0.277%
20	9.230	622	625	627	rVV	5018662	5486234	94.19%	6.875%
21	9.276	627	629	630	rVV	75627	79065	1.36%	0.099%
22	9.322	630	633	636	rVV	506209	521644	8.96%	0.654%
23	9.402	636	640	641	rVV3	104602	231827	3.98%	0.291%
24	9.436	641	643	645	rVB	440859	488830	8.39%	0.613%
25	9.493	645	648	649	rBV	294685	395783	6.79%	0.496%
26	9.516	649	650	652	rVV2	61594	86515	1.49%	0.108%
27	9.562	652	654	656	rVV	264839	342136	5.87%	0.429%
28	9.619	656	659	661	rVV	1190175	1170251	20.09%	1.466%
29	9.676	662	664	668	rVV	713183	1080554	18.55%	1.354%
30	9.756	669	671	674	rBV	834134	1032085	17.72%	1.293%
31	9.848	676	679	681	rVV2	104322	125730	2.16%	0.158%
32	9.905	681	684	685	rVV	1776949	1879106	32.26%	2.355%
33	9.939	685	687	688	rVV	1101761	1390800	23.88%	1.743%
34	9.962	688	689	691	rVV2	95576	114384	1.96%	0.143%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

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:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.008	691	693	695	rVV	298924	305336	5.24%	0.383%
36	10.053	695	697	698	rVV2	205758	259140	4.45%	0.325%
37	10.110	698	702	703	rVV2	420588	673276	11.56%	0.844%
38	10.145	703	705	707	rVV	560195	552101	9.48%	0.692%
39	10.213	709	711	713	rVV	365736	641601	11.02%	0.804%
40	10.248	713	714	717	rVV	451636	365665	6.28%	0.458%
41	10.316	717	720	722	rVV	344625	720258	12.37%	0.903%
42	10.351	722	723	725	rVV	570164	485811	8.34%	0.609%
43	10.419	725	729	730	rVV	848811	1063489	18.26%	1.333%
44	10.453	730	732	734	rVV	1634338	2084282	35.78%	2.612%
45	10.499	734	736	740	rVV2	328390	698933	12.00%	0.876%
46	10.579	740	743	744	rVV3	440872	793554	13.62%	0.994%
47	10.602	744	745	749	rVV2	308020	503456	8.64%	0.631%
48	10.693	749	753	755	rVV2	3351414	4880241	83.78%	6.115%
49	10.739	755	757	759	rVB2	82733	109302	1.88%	0.137%
50	10.819	759	764	768	rBV3	241570	415629	7.14%	0.521%
51	10.899	768	771	773	rBV3	49266	74704	1.28%	0.094%
52	10.956	773	776	777	rBV2	64277	108408	1.86%	0.136%
53	10.991	777	779	781	rVV	539606	877800	15.07%	1.100%
54	11.025	781	782	783	rVV	552584	423444	7.27%	0.531%
55	11.082	785	787	788	rVV	336800	444833	7.64%	0.557%
56	11.139	790	792	794	rVV3	110989	241202	4.14%	0.302%
57	11.196	794	797	799	rVV	244269	367106	6.30%	0.460%
58	11.242	799	801	802	rVV	47172	78314	1.34%	0.098%
59	11.276	802	804	809	rVB2	930316	1076011	18.47%	1.348%
60	11.379	811	813	817	rVB3	1498558	2211286	37.96%	2.771%
61	11.459	817	820	821	rBV	311393	327640	5.62%	0.411%
62	11.493	821	823	824	rBV2	62585	60658	1.04%	0.076%
63	11.539	824	827	830	rVB	52241	85246	1.46%	0.107%
64	11.711	838	842	845	rBV2	143754	292192	5.02%	0.366%
65	11.791	847	849	851	rVB	93350	125557	2.16%	0.157%
66	11.836	851	853	855	rBV2	40672	73041	1.25%	0.092%
67	11.882	855	857	858	rVV	507675	472463	8.11%	0.592%
68	11.916	858	860	862	rVV2	395624	498527	8.56%	0.625%
69	11.962	862	864	865	rVV2	106735	136103	2.34%	0.171%
70	11.996	865	867	871	rVV2	492740	761692	13.08%	0.954%
71	12.099	873	876	877	rVV2	125300	226346	3.89%	0.284%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

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:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.156	877	881	882	rVV2	64859	143773	2.47%	0.180%
73	12.179	882	883	888	rVB3	86823	111361	1.91%	0.140%
74	12.328	894	896	897	rBV2	121126	120350	2.07%	0.151%
75	12.385	899	901	902	rVB	90306	111963	1.92%	0.140%
76	12.431	902	905	907	rBV3	150137	254703	4.37%	0.319%
77	12.488	907	910	911	rVV3	156766	216827	3.72%	0.272%
78	12.522	911	913	915	rVV2	104599	131750	2.26%	0.165%
79	12.568	915	917	918	rVV2	59269	91607	1.57%	0.115%
80	12.591	918	919	921	rVV2	182459	159899	2.75%	0.200%
81	12.648	921	924	926	rVV2	64610	125039	2.15%	0.157%
82	12.705	926	929	932	rVV2	93710	199735	3.43%	0.250%
83	12.819	934	939	940	rVV	226493	362016	6.22%	0.454%
84	12.854	940	942	946	rVB4	65618	162108	2.78%	0.203%
85	12.968	950	952	955	rVV	3589095	4441706	76.26%	5.566%
86	13.036	957	958	962	rBV3	32657	72475	1.24%	0.091%
87	13.151	964	968	970	rVB	77334	129072	2.22%	0.162%
88	13.219	970	974	975	rBV	93204	131849	2.26%	0.165%
89	13.254	975	977	980	rVB	79241	81569	1.40%	0.102%
90	13.448	992	994	997	rVB2	59182	101727	1.75%	0.127%
91	13.505	997	999	1002	rBV2	58741	94757	1.63%	0.119%
92	13.562	1002	1004	1008	rVB2	55174	99573	1.71%	0.125%
93	13.871	1030	1031	1035	rVB	171071	285179	4.90%	0.357%
94	14.019	1041	1044	1050	rVB	1857362	1936308	33.24%	2.426%
95	14.214	1058	1061	1062	rVB3	55111	67023	1.15%	0.084%
96	14.522	1083	1088	1091	rBV3	53462	112492	1.93%	0.141%
97	15.471	1168	1171	1174	rBV	984285	1340607	23.02%	1.680%

Sum of corrected areas: 79801803

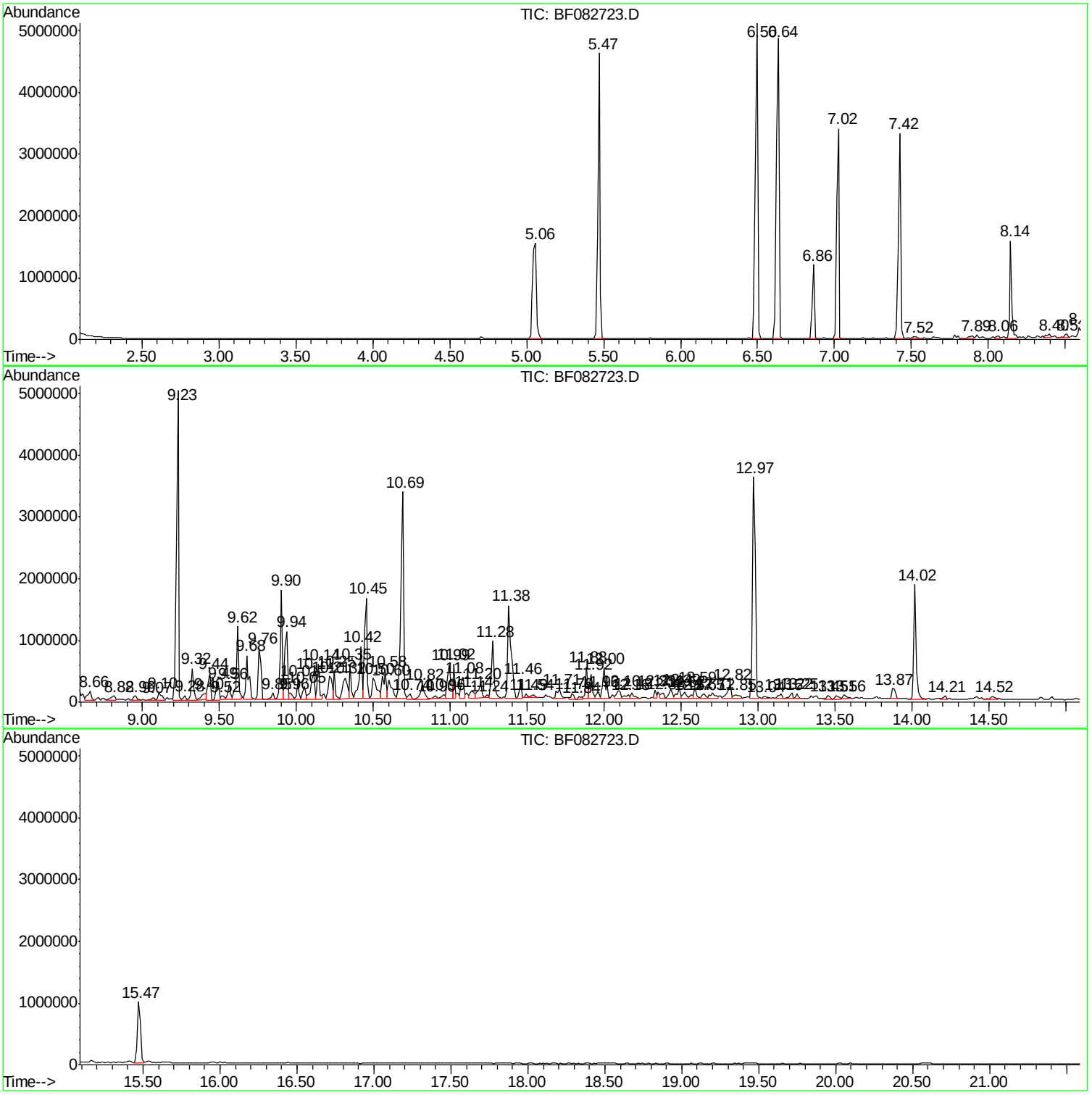
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

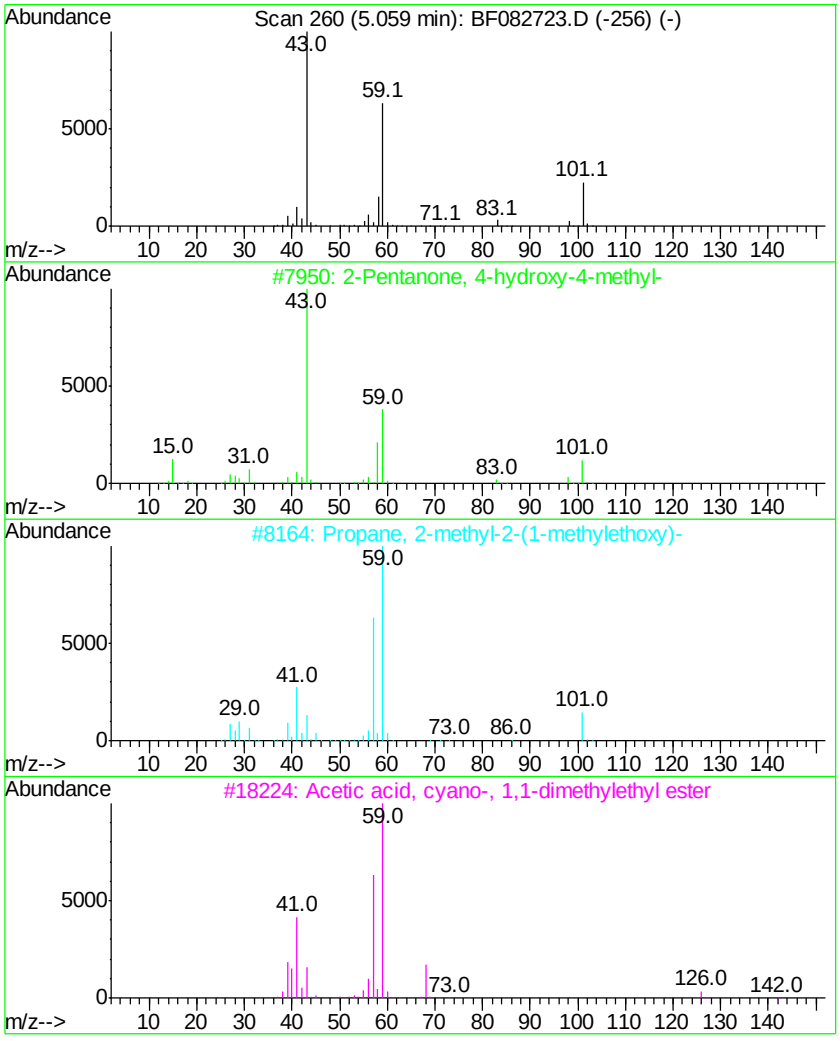
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

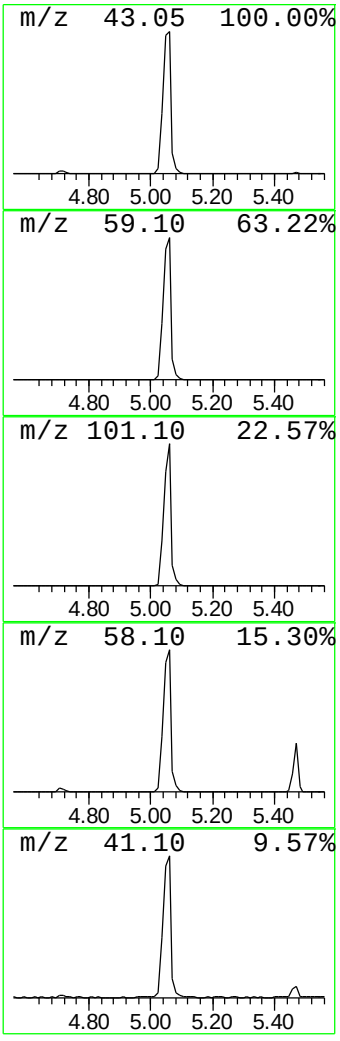
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	47.07 ng	2708290	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

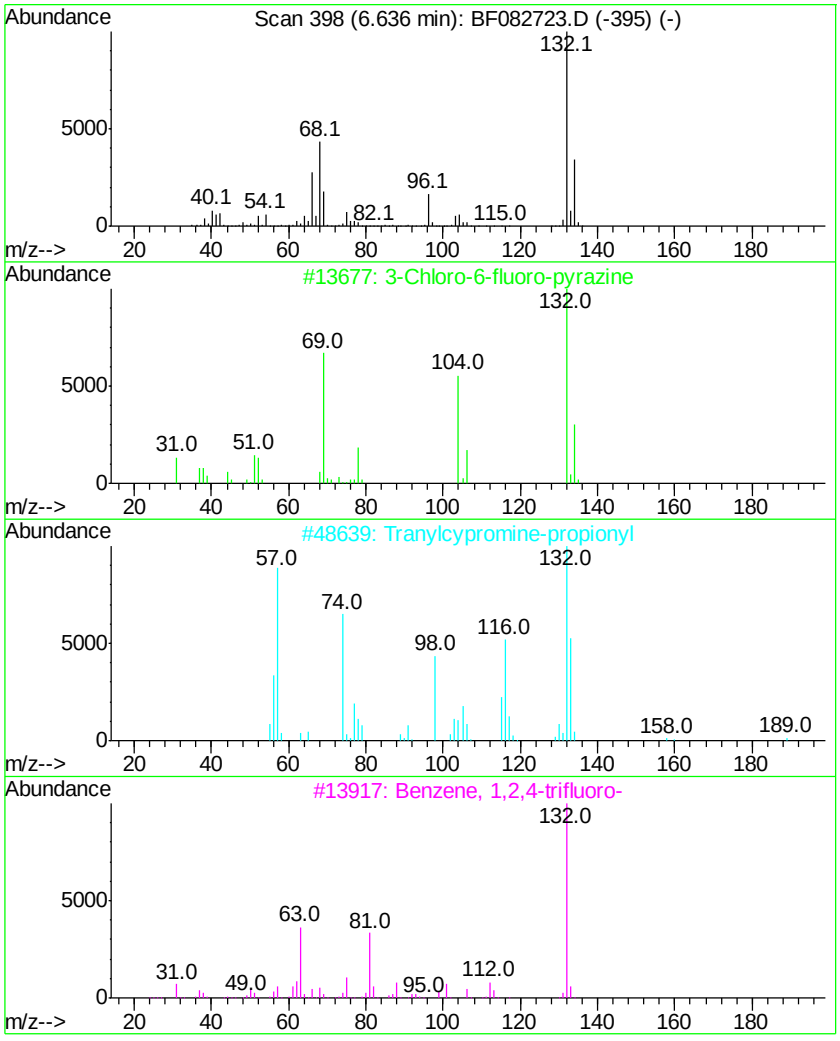
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

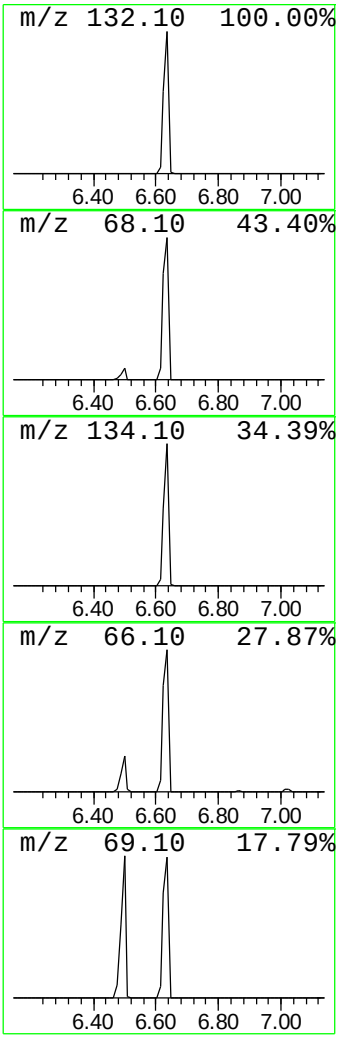
****

Peak Number 2 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	101.23 ng	5824730	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

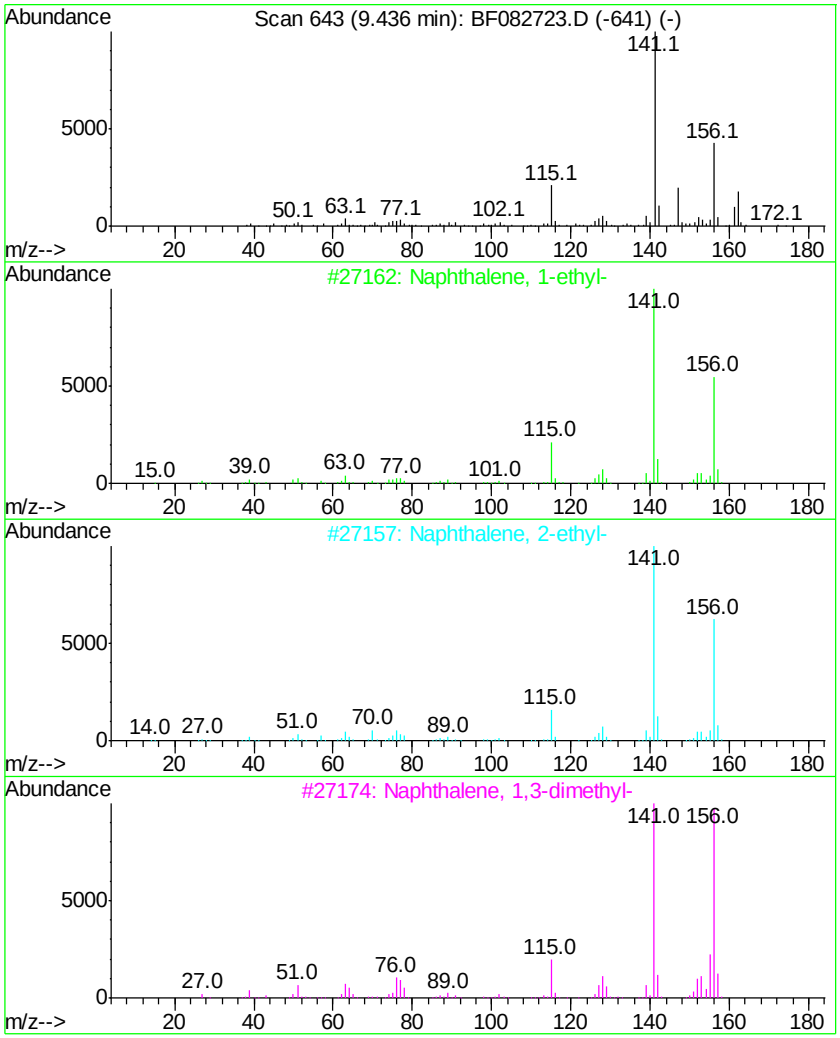
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

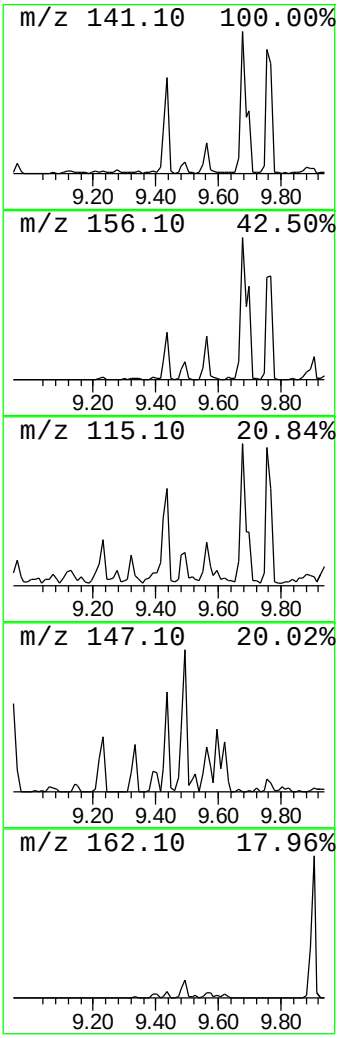
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	5.20 ng	488830	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	70
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	59
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	50
5	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

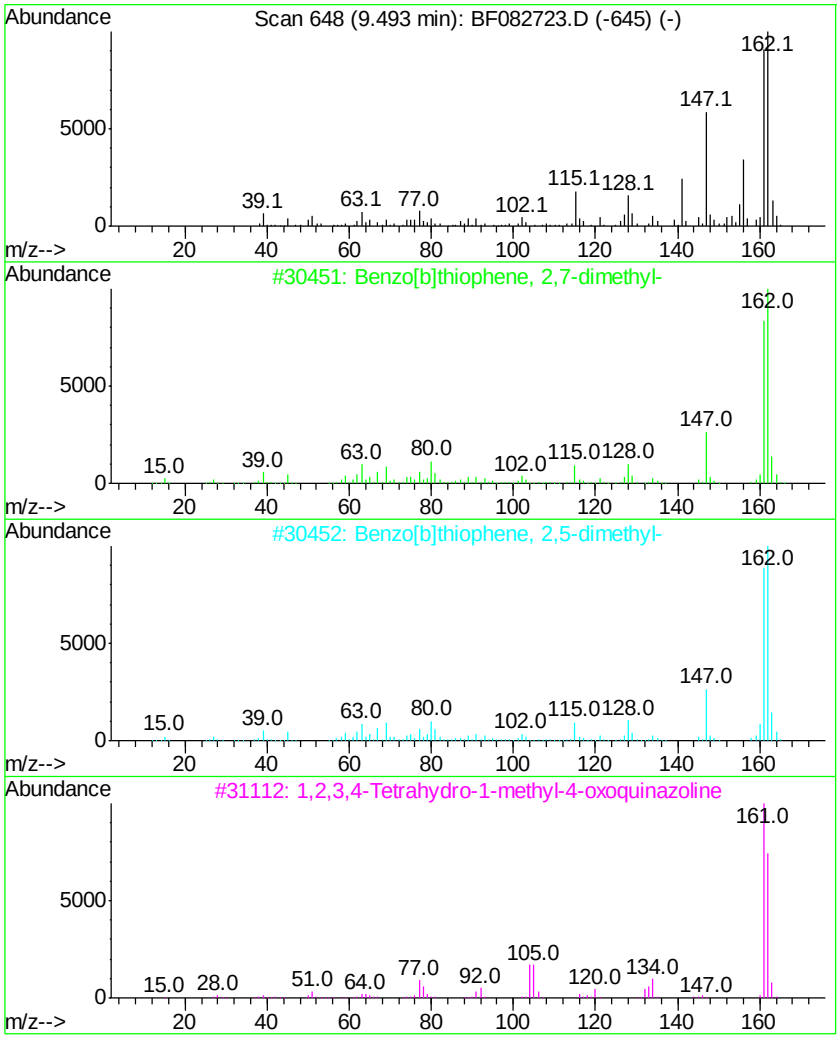
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

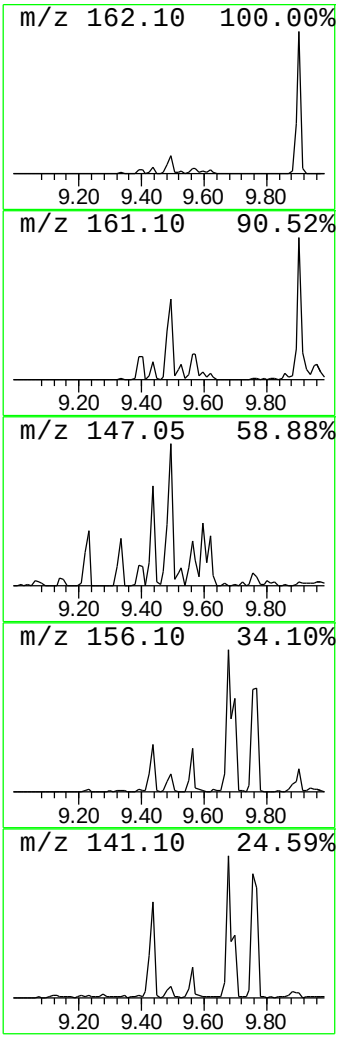
****

Peak Number 5 Benzo[b]thiophene, 2,7-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	4.21 ng	395783	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	68
2	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	58
3	1,2,3,4-Tetrahydro-1-methyl-4-ox...	162	C9H10N2O	035042-16-1	47
4	Benzene, 1-methyl-4-[(methylthio...	162	C10H10S	017293-64-0	43
5	6-Methoxy-3-methylbenzofuran	162	C10H10O2	029040-52-6	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

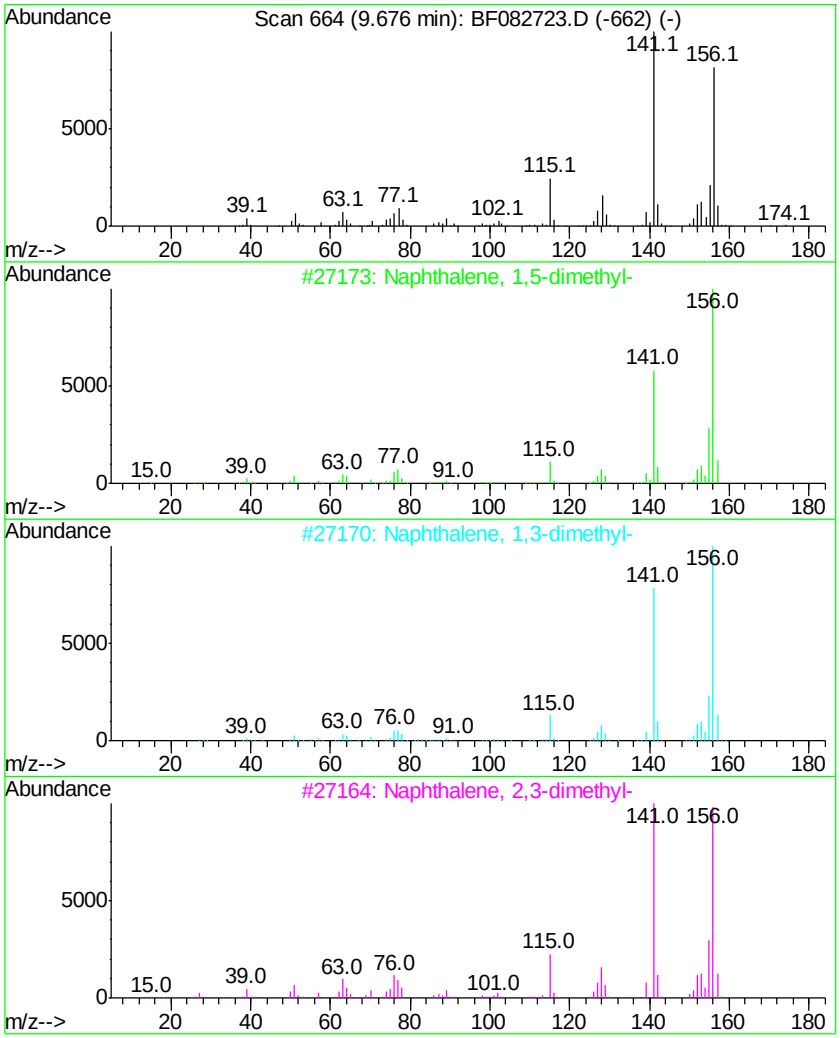
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

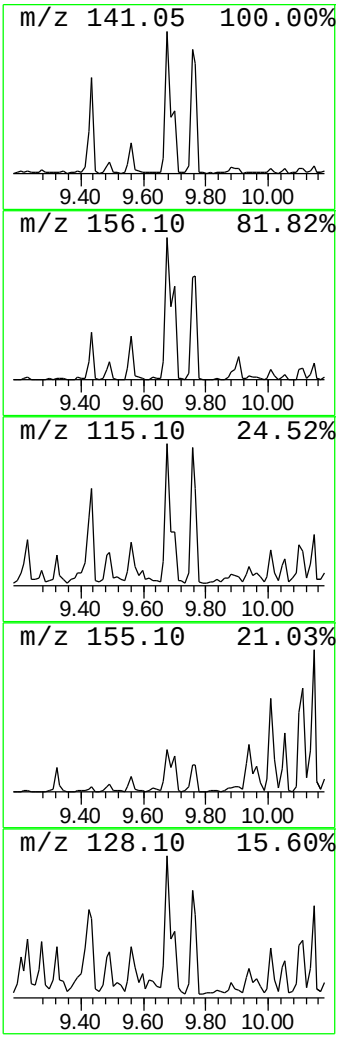
****

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	11.50 ng	1080550	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

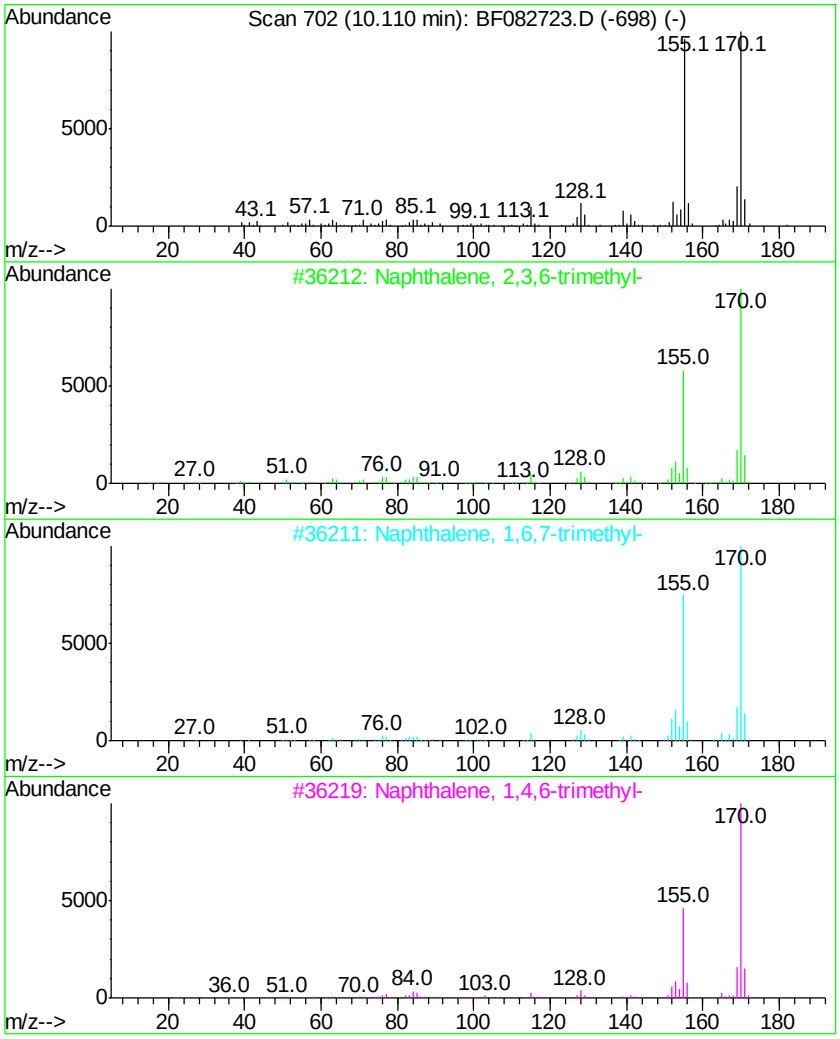
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

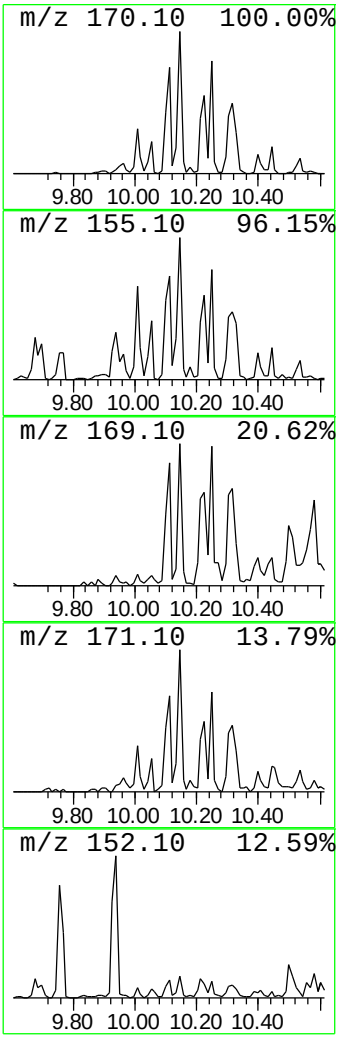
****

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	7.17 ng	673276	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	90
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

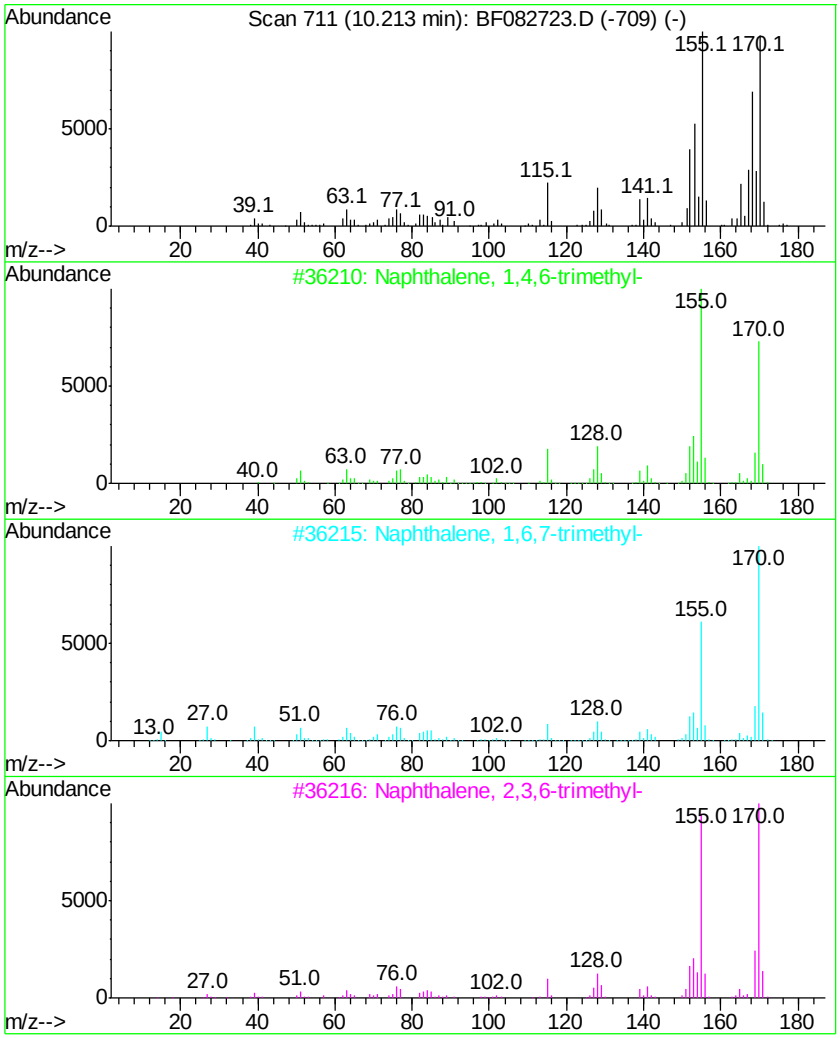
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

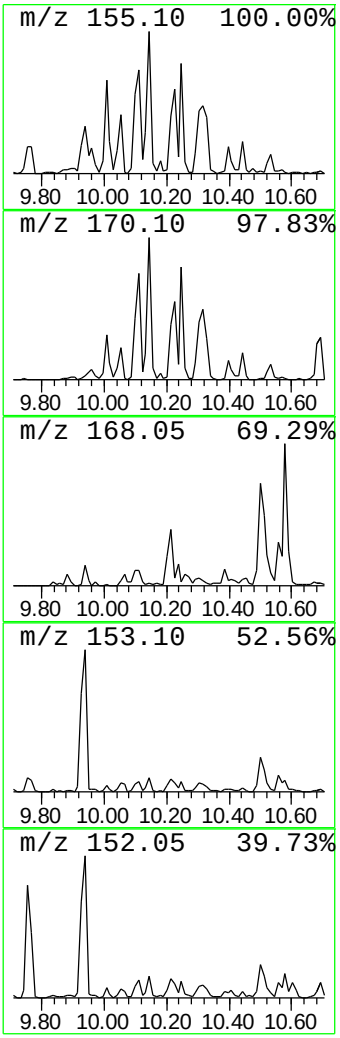
****

Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	6.83 ng	641601	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	78
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	60
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	60
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

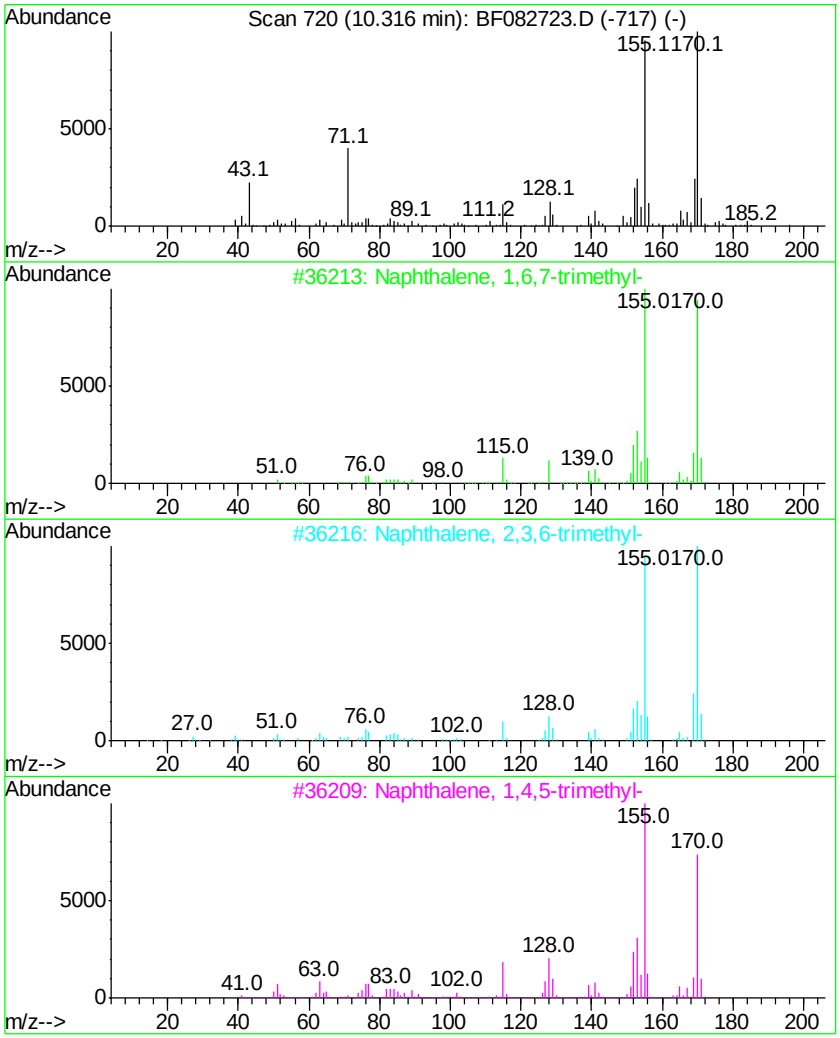
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

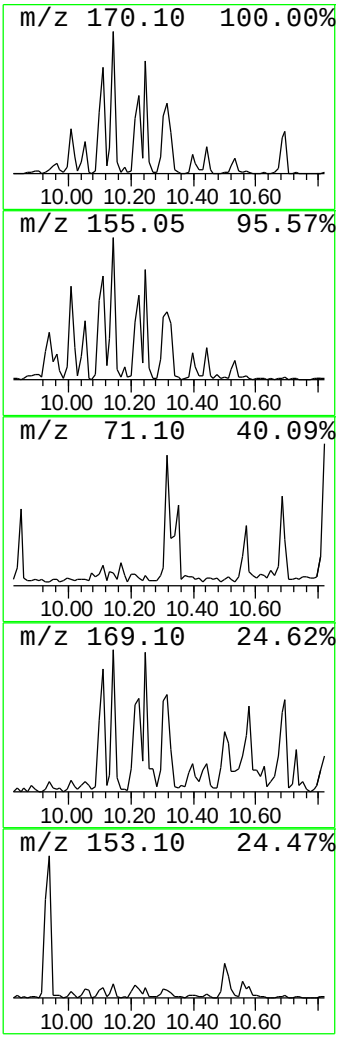
****

Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	7.67 ng	720258	Acenaphthene-d10	9.90

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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

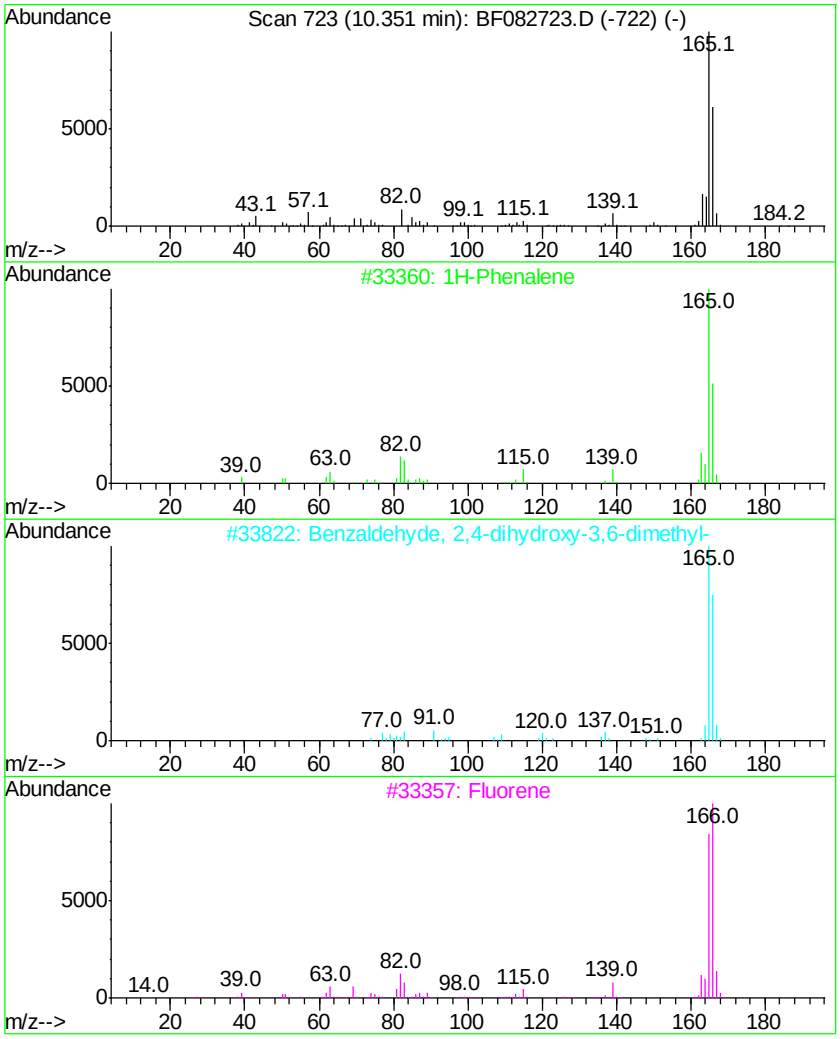
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

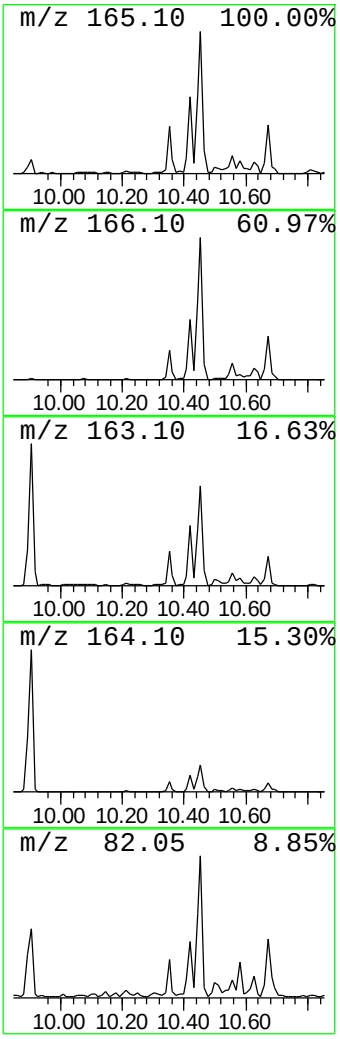
****

Peak Number 12 1H-Phenalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	5.17 ng	485811	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	72
3	Fluorene	166	C13H10	000086-73-7	47
4	s-Triazolo[4,3-a]pyridine-3-thio...	165	C7H7N3S	004926-22-1	33
5	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

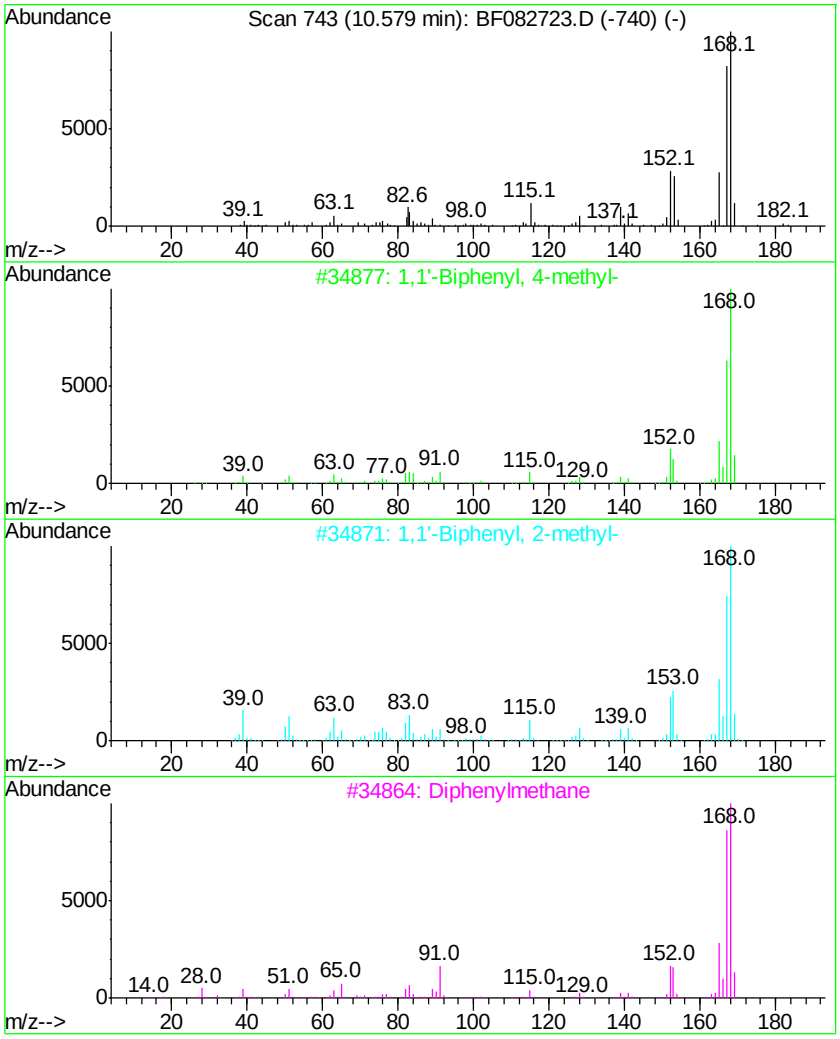
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

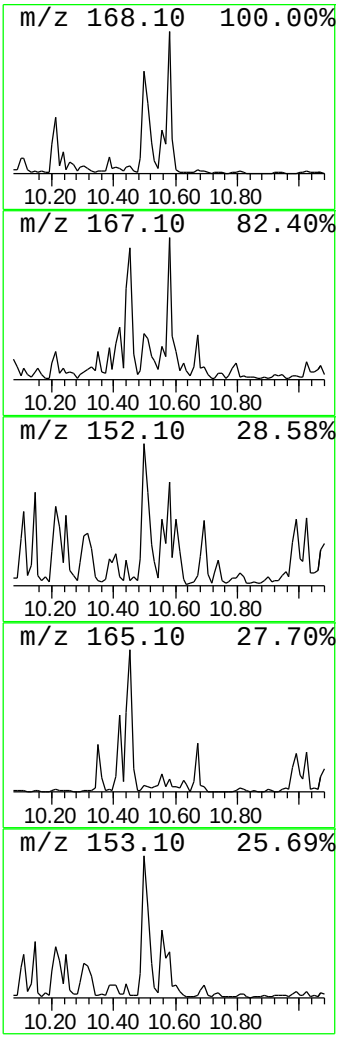
****

Peak Number 13 1,1'-Biphenyl, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	8.45 ng	793554	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	93
3	Diphenylmethane	168	C13H12	000101-81-5	90
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	76
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

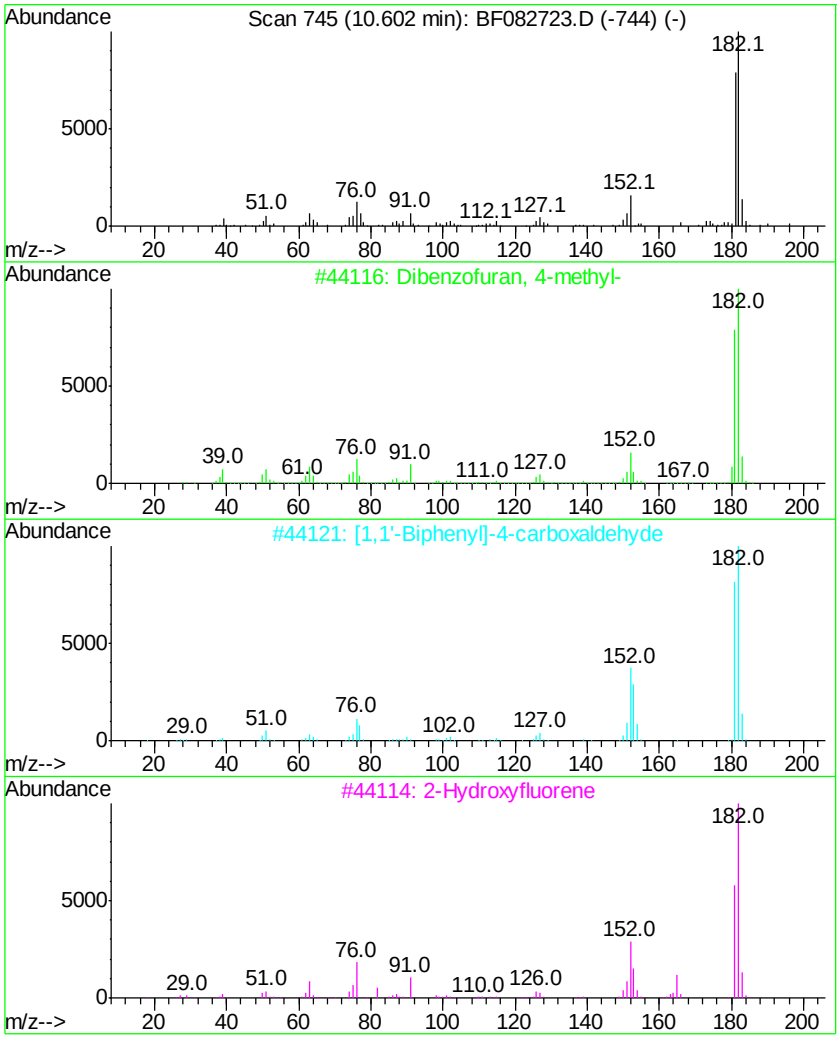
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

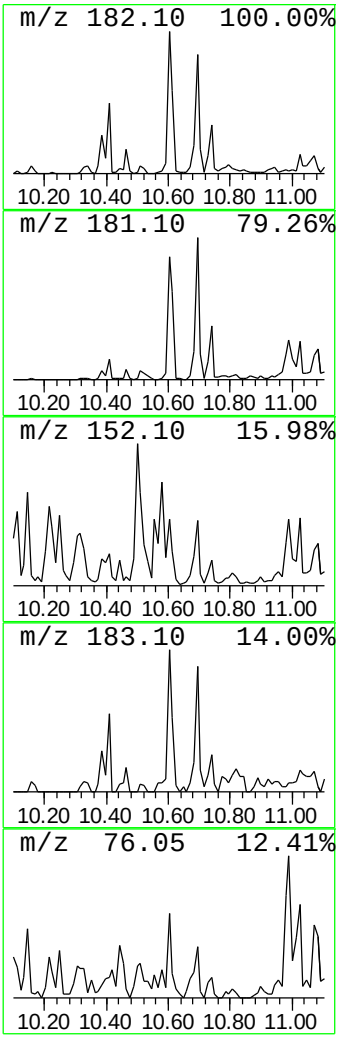
****

Peak Number 14 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	5.36 ng	503456	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	90
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

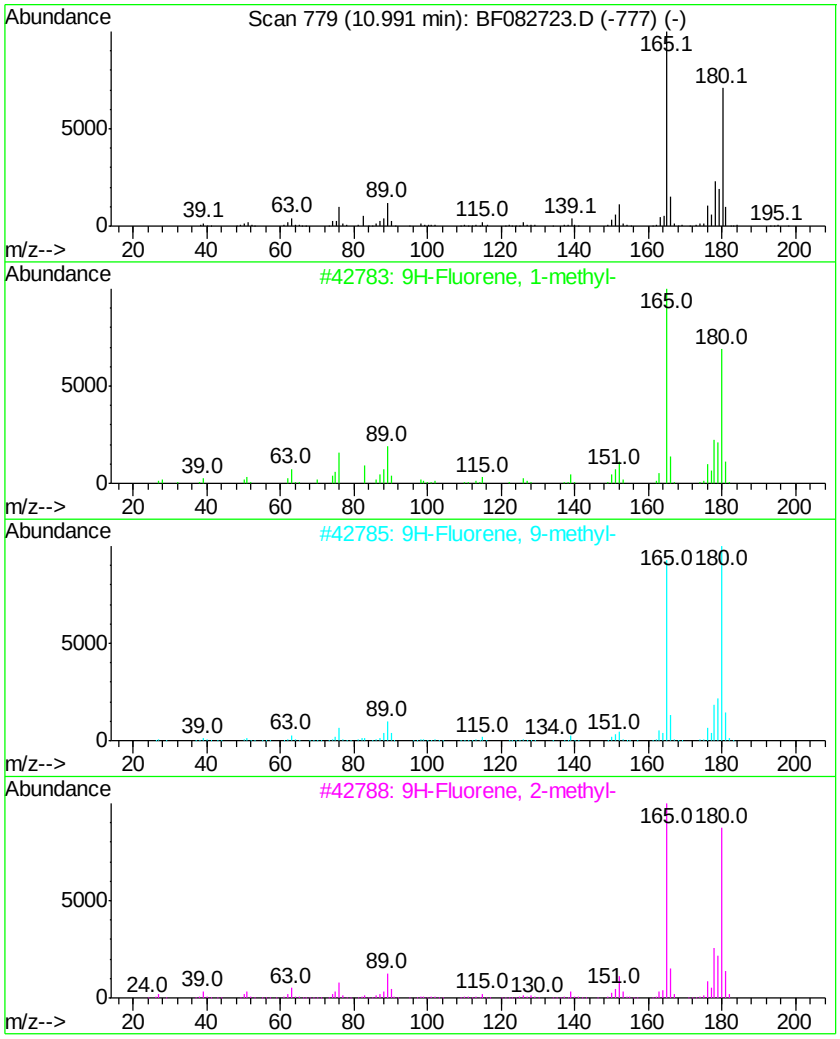
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

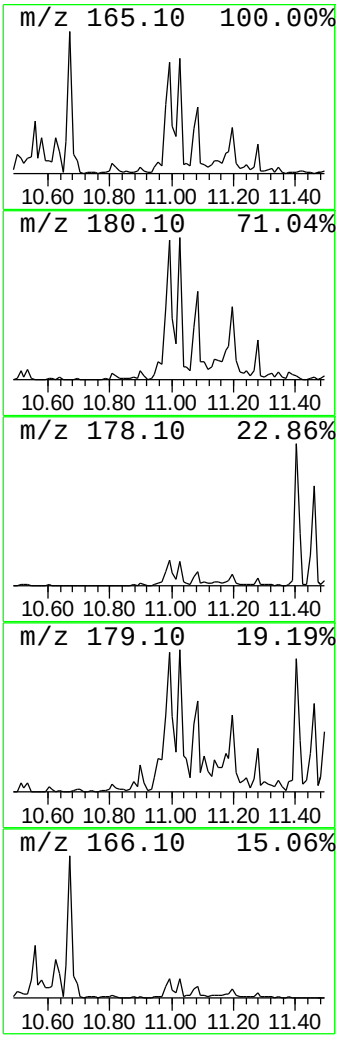
****

Peak Number 15 9H-Fluorene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	7.94 ng	877800	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

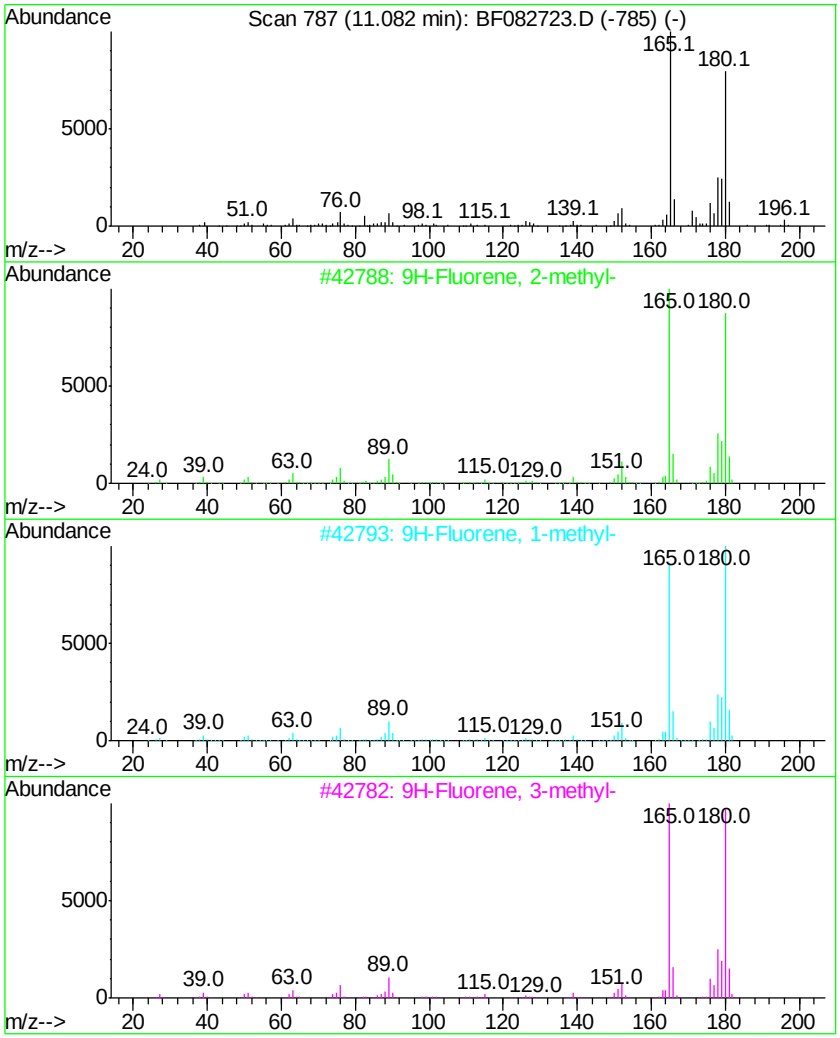
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

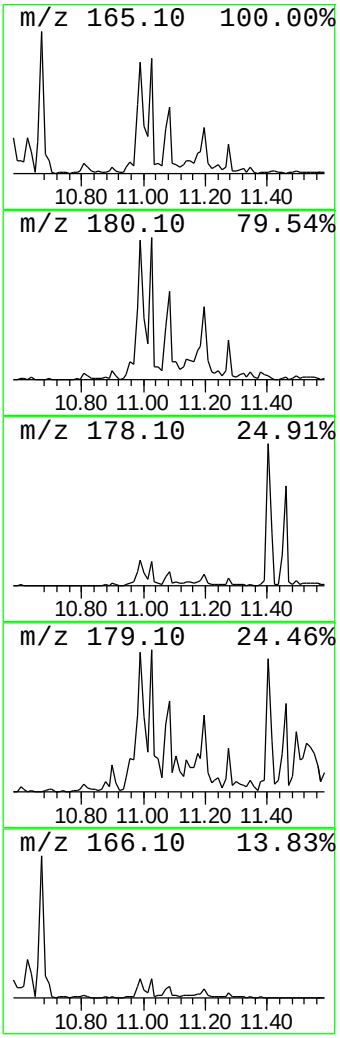
****

Peak Number 16 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	4.02 ng	444833	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

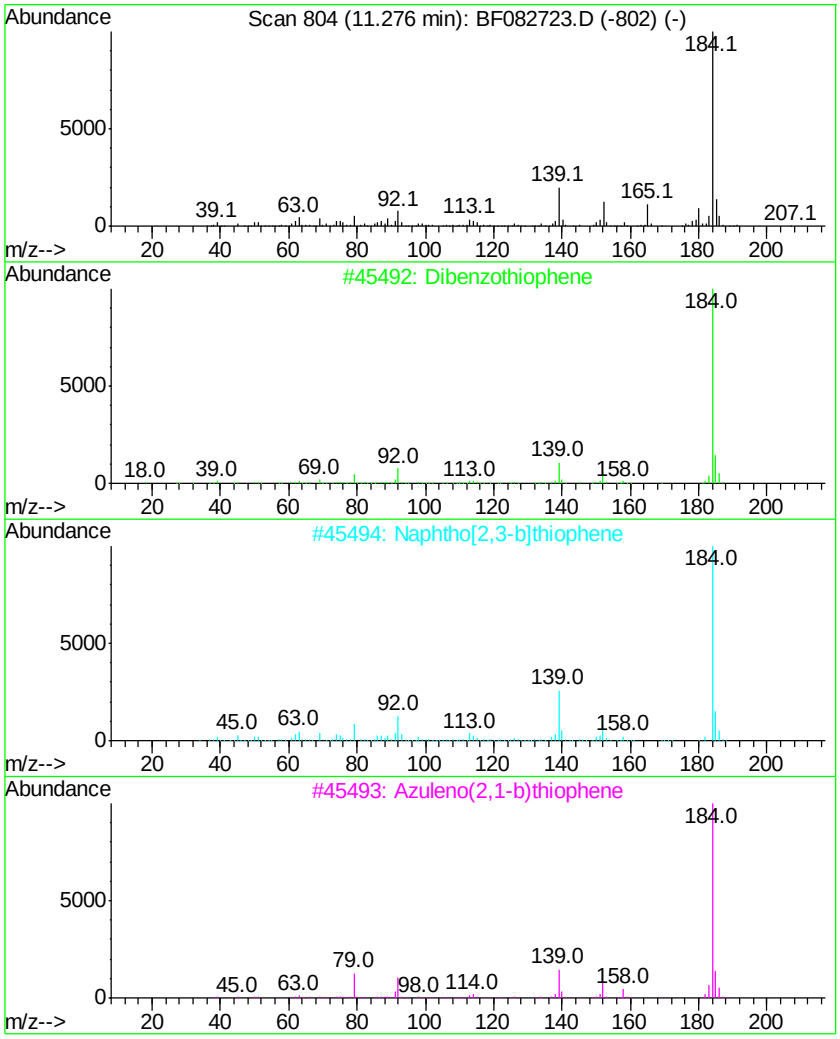
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

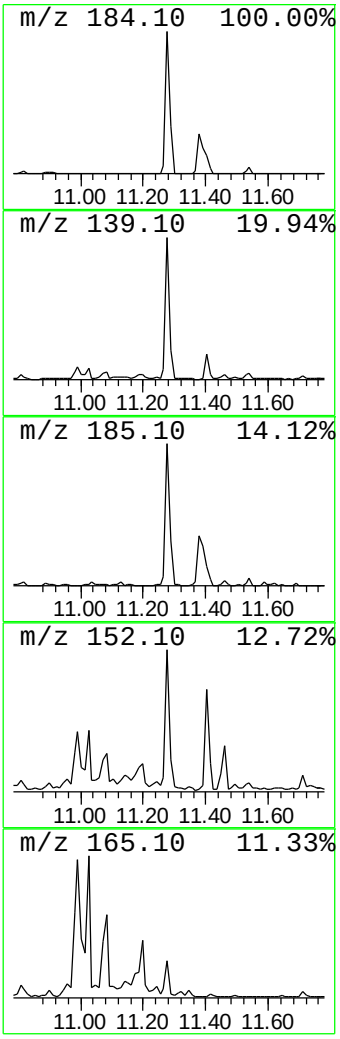
****

Peak Number 17 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	9.73 ng	1076010	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	58
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

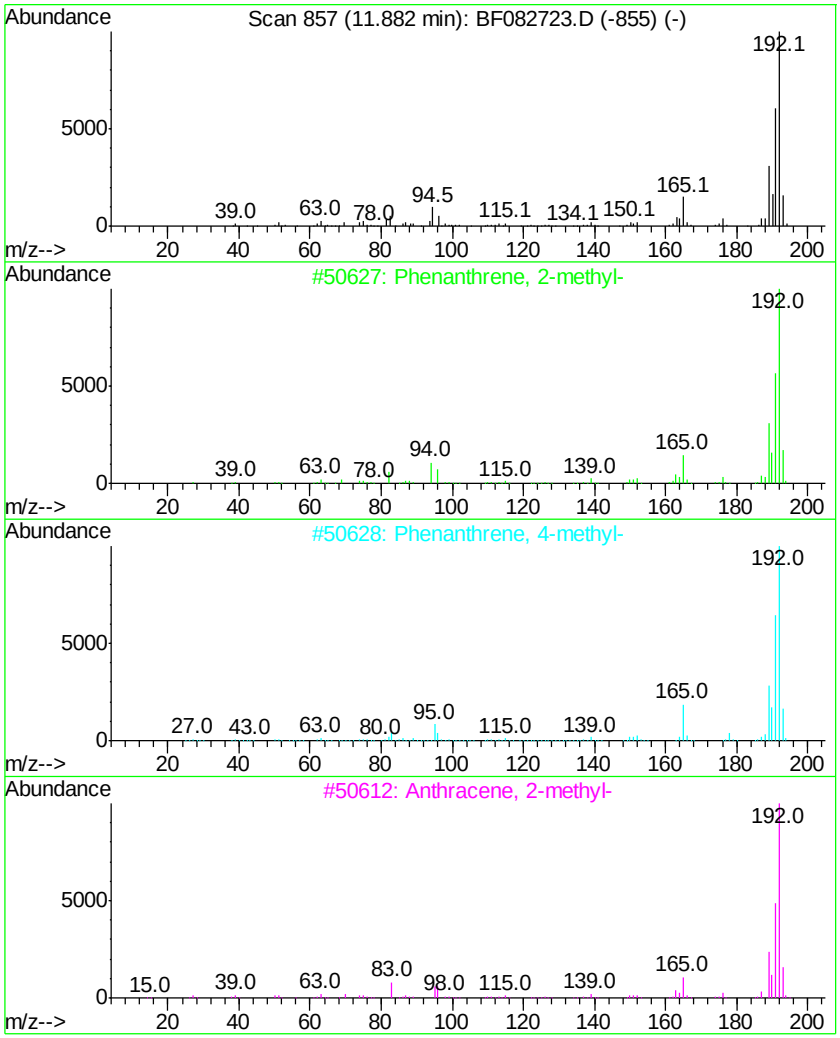
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

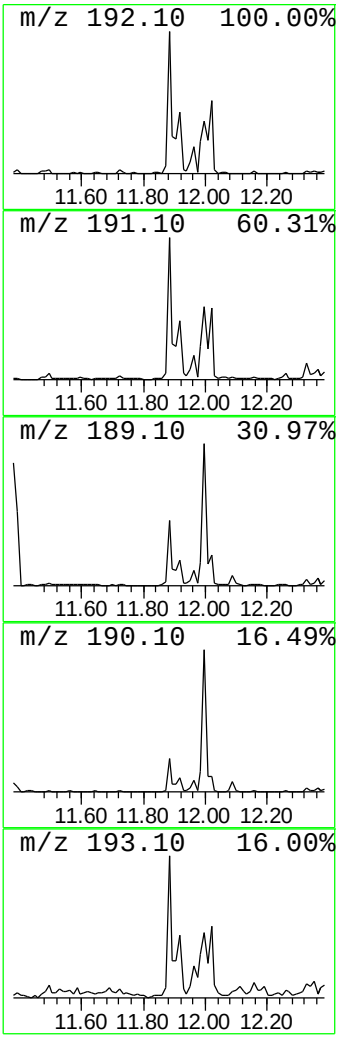
****

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.27 ng	472463	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

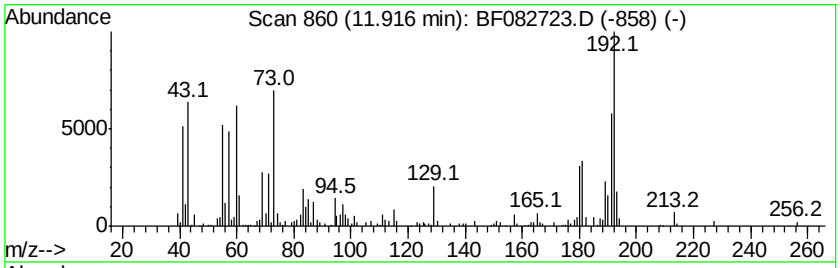
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

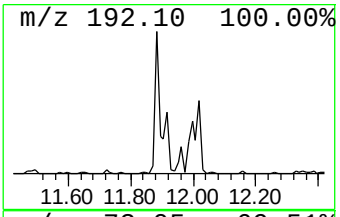
****

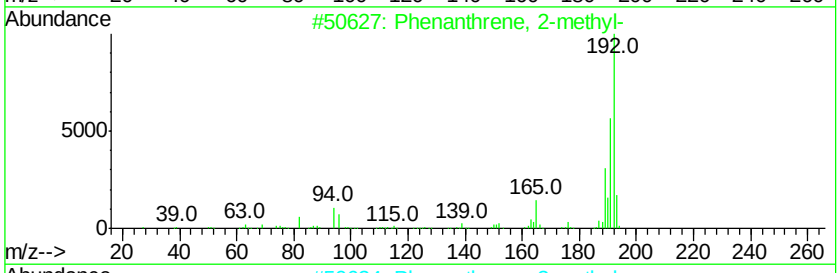
Peak Number 19 Phenanthrene, 3-methyl- Concentration Rank 16

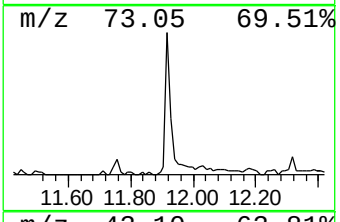
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.51 ng	498527	Phenanthrene-d10	11.38

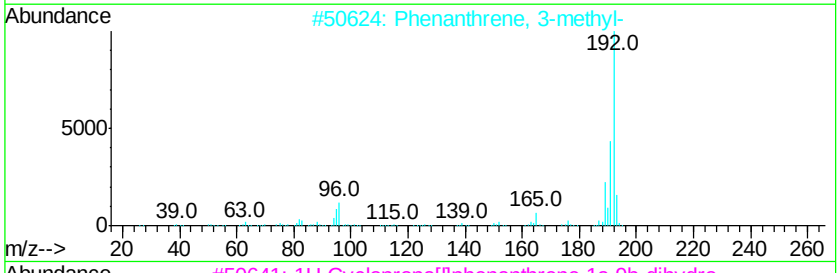
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	50

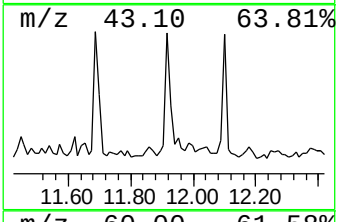


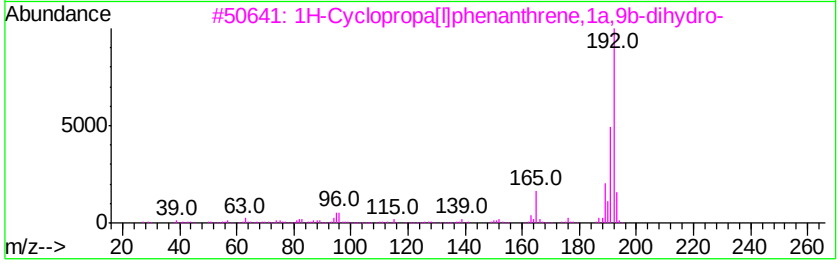


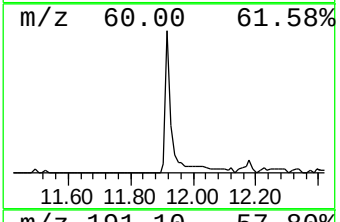


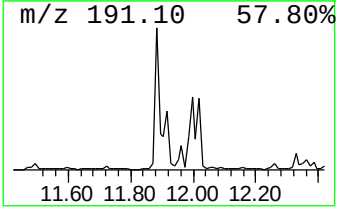












Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

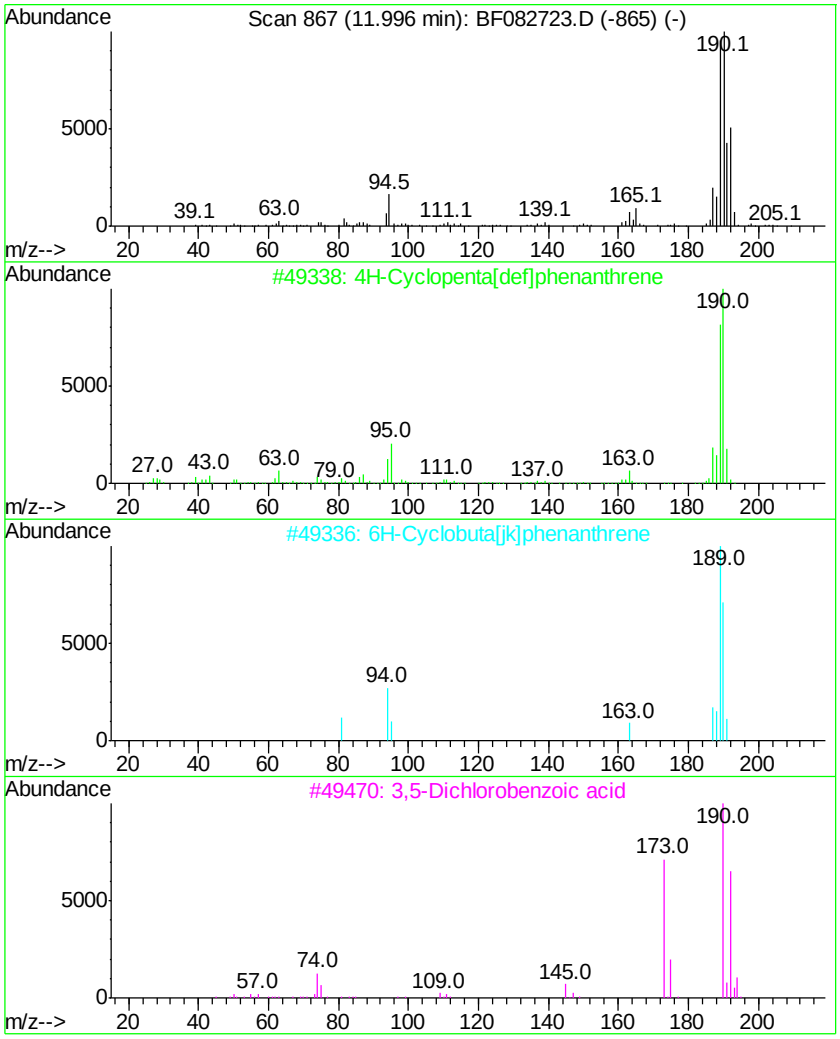
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

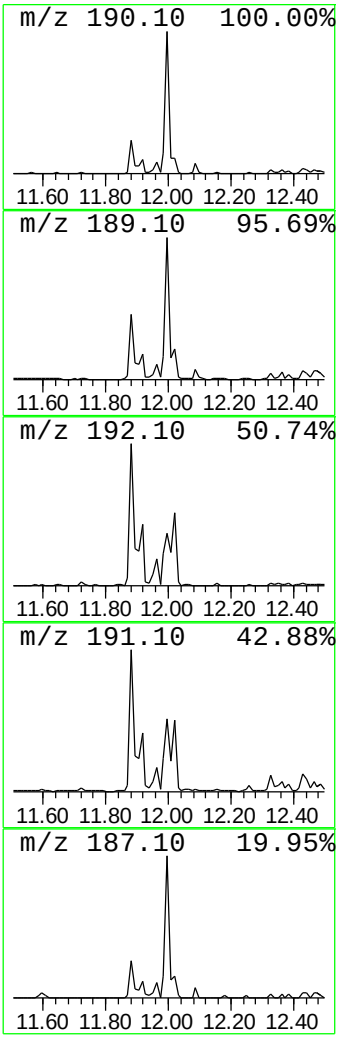
****

Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.89 ng	761692	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110615\
Data File : BF082723.D
Acq On : 5 Nov 2015 12:12
Operator : UM/IZ
Sample : G4241-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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
2-Pentanone, 4-hy...	5.06	47.1	ng	2708290	1	6.86	1150750	20.0
unknown6.64	6.64	101.2	ng	5824730	1	6.86	1150750	20.0
Naphthalene, 1-et...	9.44	5.2	ng	488830	3	9.90	1879110	20.0
Benzo[b]thiophene...	9.49	4.2	ng	395783	3	9.90	1879110	20.0
Naphthalene, 1,5-...	9.68	11.5	ng	1080550	3	9.90	1879110	20.0
Naphthalene, 2,3,...	10.11	7.2	ng	673276	3	9.90	1879110	20.0
Naphthalene, 1,4,...	10.21	6.8	ng	641601	3	9.90	1879110	20.0
Naphthalene, 1,6,...	10.32	7.7	ng	720258	3	9.90	1879110	20.0
1H-Phenalene	10.35	5.2	ng	485811	3	9.90	1879110	20.0
1,1'-Biphenyl, 4-...	10.58	8.4	ng	793554	3	9.90	1879110	20.0
Dibenzofuran, 4-m...	10.60	5.4	ng	503456	3	9.90	1879110	20.0
9H-Fluorene, 1-me...	10.99	7.9	ng	877800	4	11.38	2211290	20.0
9H-Fluorene, 2-me...	11.08	4.0	ng	444833	4	11.38	2211290	20.0
Dibenzothiophene	11.28	9.7	ng	1076010	4	11.38	2211290	20.0
Phenanthrene, 2-m...	11.88	4.3	ng	472463	4	11.38	2211290	20.0
Phenanthrene, 3-m...	11.92	4.5	ng	498527	4	11.38	2211290	20.0
4H-Cyclopenta[def...	12.00	6.9	ng	761692	4	11.38	2211290	20.0