LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

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-BF031816.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	5.304	261	264	266	rBV	196112	213771	3.26%	0.441%
2	5.407	271	273	275	rBV	160928	286059	4.36%	0.590%
3	5.442	275	276	281	rVB	139811	126889	1.94%	0.262%
4	5.682	294	297	299	rBV	143098	171394	2.61%	0.353%
5	6.379	356	358	359	rBV	118671	166350	2.54%	0.343%
6	6.447	362	364	365	rBV	159722	139301	2.12%	0.287%
7	6.470	365	366	370	rVB	89587	122646	1.87%	0.253%
8	6.619	377	379	382	rBV	131412	137307	2.09%	0.283%
9	6.676	382	384	386	rBV	527443	476327	7.26%	0.982%
10	6.847	397	399	403	rBV	723354	837594	12.77%	1.727%
11	6.905	403	404	407	rVV	133825	158521	2.42%	0.327%
12	7.007	411	413	414	rBV	153526	162230	2.47%	0.334%
13	7.030	414	415	418	rVB	637081	535985	8.17%	1.105%
14	7.110	419	422	425	rBV2	72105	141613	2.16%	0.292%
15	7.179	425	428	430	rBV	85862	102050	1.56%	0.210%
16	7.385	444	446	448	rVV	79154	150640	2.30%	0.311%
17	7.419	448	449	451	rVV2	97408	90540	1.38%	0.187%
18	7.647	465	469	472	rVB	102331	205575	3.14%	0.424%
19	7.807	480	483	486	rVB3	102742	140079	2.14%	0.289%
20	7.876	486	489	492	rBV2	195814	368804	5.62%	0.760%
21	7.922	492	493	497	rVV	188829	273871	4.18%	0.565%
22	8.082	505	507	509	rBV	184745	192109	2.93%	0.396%
23	8.162	509	514	516	rVV2	3523317	6557250	100.00%	13.520%
24	8.208	516	518	522	rVB	281963	332225	5.07%	0.685%
25	8.608	550	553	555	rVV2	79275	171828	2.62%	0.354%
26	8.642	555	556	558	rVV2	88120	98602	1.50%	0.203%
27	8.802	569	570	572	rVV	153000	143275	2.18%	0.295%
28	8.859	572	575	577	rVV	3335597	3821643	58.28%	7.880%
29	8.905	577	579	580	rVV	228451	212930	3.25%	0.439%
30	8.950	580	583	585	rVV	2546985	2406891	36.71%	4.963%
31	9.213	603	606	608	rVB	227704	205335	3.13%	0.423%
32	9.316	611	615	616	rBV	538655	569480	8.68%	1.174%
33	9.408	620	623	626	rVB	495843	638344	9.73%	1.316%
34	9.476	626	629	631	rBV	918248	1255294	19.14%	2.588%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.556	633	636	637	rVV	932438	1433401	21.86%	2.955%
36	9.579	637	638	640	rVV	901493	728922	11.12%	1.503%
37	9.671	643	646	650	rVB	489801	668024	10.19%	1.377%
38	9.751	651	653	655	rVB	586111	499378	7.62%	1.030%
39	9.888	662	665	667	rBV3	1061186	1425800	21.74%	2.940%
40	9.922	667	668	670	rVV	1115942	919878	14.03%	1.897%
41	10.002	673	675	677	rBV2	140320	219758	3.35%	0.453%
42	10.093	680	683	685	rVB	435541	438501	6.69%	0.904%
43	10.128	685	686	691	rVB2	222780	294259	4.49%	0.607%
44	10.208	691	693	694	rBV2	225555	238530	3.64%	0.492%
45	10.231	694	695	698	rVB	150791	158052	2.41%	0.326%
46	10.299	698	701	704	rBV2	165824	356733	5.44%	0.736%
47	10.391	706	709	711	rVV2	103411	210237	3.21%	0.433%
48	10.436	711	713	716	rVB	983051	933922	14.24%	1.926%
49	10.482	716	717	721	rBV3	93545	251180	3.83%	0.518%
50	10.551	721	723	725	rVV	107878	120709	1.84%	0.249%
51	10.596	725	727	731	rVB4	127455	198242	3.02%	0.409%
52	10.676	731	734	736	rVB2	195286	309504	4.72%	0.638%
53	10.802	740	745	748	rBV3	150642	234437	3.58%	0.483%
54	10.985	758	761	762	rBV	232113	304235	4.64%	0.627%
55	11.008	762	763	766	rVB	150162	134960	2.06%	0.278%
56	11.065	766	768	770	rVB	124182	107059	1.63%	0.221%
57	11.134	770	774	777	rBV3	68528	122046	1.86%	0.252%
58	11.179	777	778	780	rVB2	89906	100807	1.54%	0.208%
59	11.271	783	786	788	rVB	536804	472174	7.20%	0.974%
60	11.374	793	795	796	rBV	1107392	1111928	16.96%	2.293%
61	11.396	796	797	800	rVB	2033071	2188023	33.37%	4.511%
62	11.454	800	802	803	rVB	649697	720851	10.99%	1.486%
63	11.488	803	805	808	rBV2	123294	215582	3.29%	0.444%
64	11.614	814	816	818	rBV2	104467	145430	2.22%	0.300%
65	11.671	819	821	822	rVV	164111	132667	2.02%	0.274%
66	11.705	822	824	829	rVB2	227244	266000	4.06%	0.548%
67	11.785	829	831	833	rVB	229705	252479	3.85%	0.521%
68	11.876	836	839	840	rBV	599573	593857	9.06%	1.224%
69	11.899	840	841	843	rVB	503369	495738	7.56%	1.022%
70	11.945	843	845	847	rBV	184218	219171	3.34%	0.452%
71	11.991	847	849	853	rVB2	526853	1000651	15.26%	2.063%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.174	861	865	867	rBV2	244409	396544	6.05%	0.818%
73	12.276	872	874	875	rVV2	80153	114190	1.74%	0.235%
74	12.357	879	881	884	rVV2	114588	251198	3.83%	0.518%
75	12.425	884	887	888	rVV	229939	290911	4.44%	0.600%
76	12.459	888	890	893	rVV2	184291	378263	5.77%	0.780%
77	12.517	893	895	899	rVB3	118541	229973	3.51%	0.474%
78	12.585	899	901	903	rBV	911967	755692	11.52%	1.558%
79	12.677	908	909	911	rBV	124259	112522	1.72%	0.232%
80	12.814	918	921	923	rBV	1277592	1185794	18.08%	2.445%
81	12.951	932	933	938	rVB	175352	195160	2.98%	0.402%
82	13.031	938	940	943	rBV	83658	119719	1.83%	0.247%
83	13.134	946	949	951	rVB	174203	308832	4.71%	0.637%
84	13.202	951	955	957	rBV	155562	209204	3.19%	0.431%
85	13.248	957	959	961	rBV	90785	128509	1.96%	0.265%
86	13.328	964	966	968	rVB	80374	105356	1.61%	0.217%
87	13.362	968	969	973	rVB	139293	145642	2.22%	0.300%
88	13.465	976	978	981	rVB	85946	139604	2.13%	0.288%
89	13.534	982	984	990	rVB2	57512	110024	1.68%	0.227%
90	13.648	992	994	996	rVB	73274	92421	1.41%	0.191%
91	13.751	1000	1003	1005	rBV3	68938	136333	2.08%	0.281%
92	14.002	1022	1025	1029	rBV	898439	1384743	21.12%	2.855%
93	15.031	1112	1115	1118	rBV	116121	266351	4.06%	0.549%
94	15.088	1118	1120	1122	rVB	102776	110244	1.68%	0.227%
95	15.305	1137	1139	1142	rBV	85431	150993	2.30%	0.311%
96	15.374	1142	1145	1147	rVB	195143	253782	3.87%	0.523%
97	15.431	1147	1150	1153	rBV	592934	735645	11.22%	1.517%
98	15.968	1195	1197	1206	rVB3	43644	140920	2.15%	0.291%
99	16.814	1269	1271	1275	rVB2	47276	93424	1.42%	0.193%
100	17.237	1305	1308	1317	rVB	53127	123069	1.88%	0.254%

Sum of corrected areas: 48500939

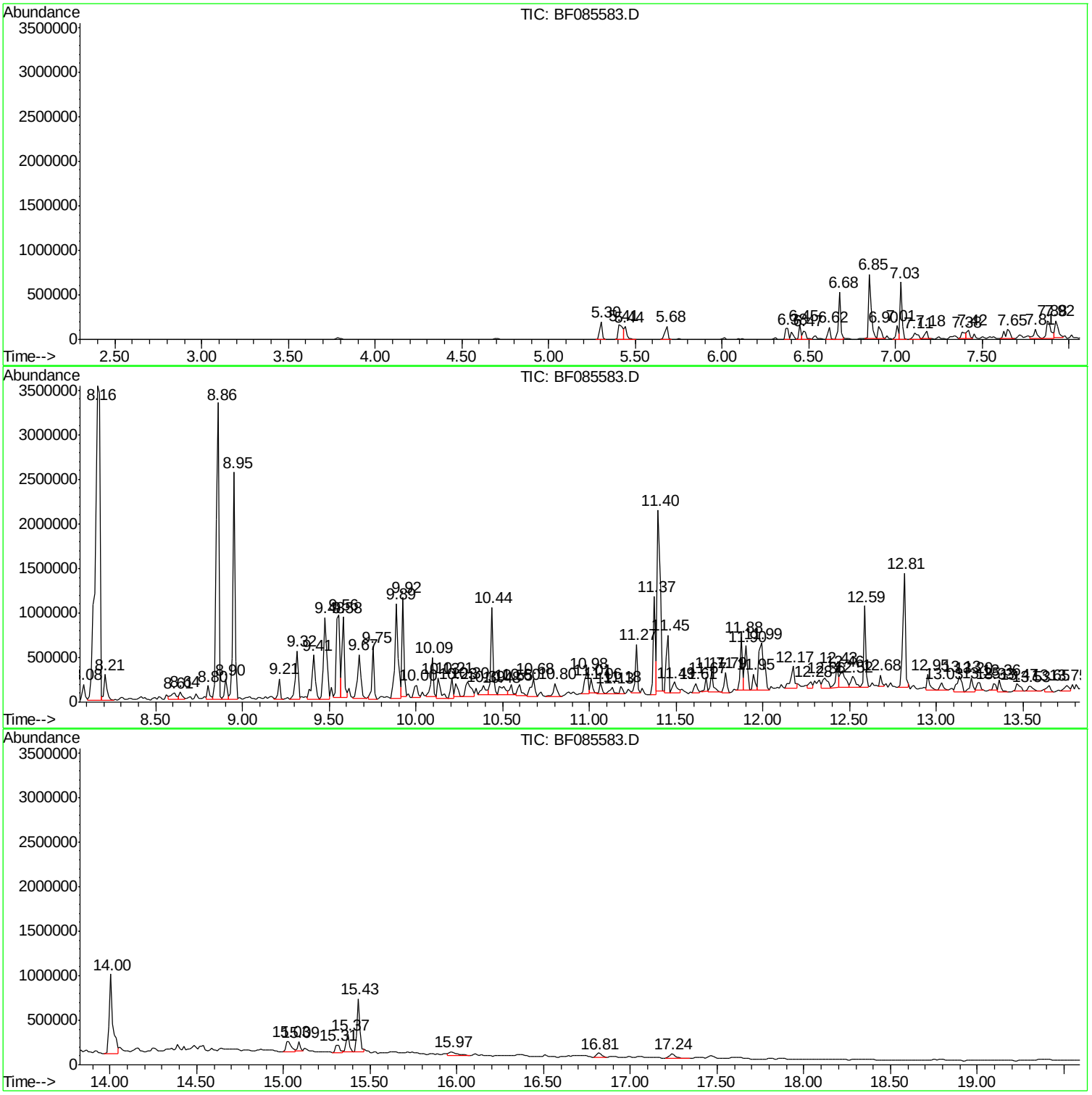
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

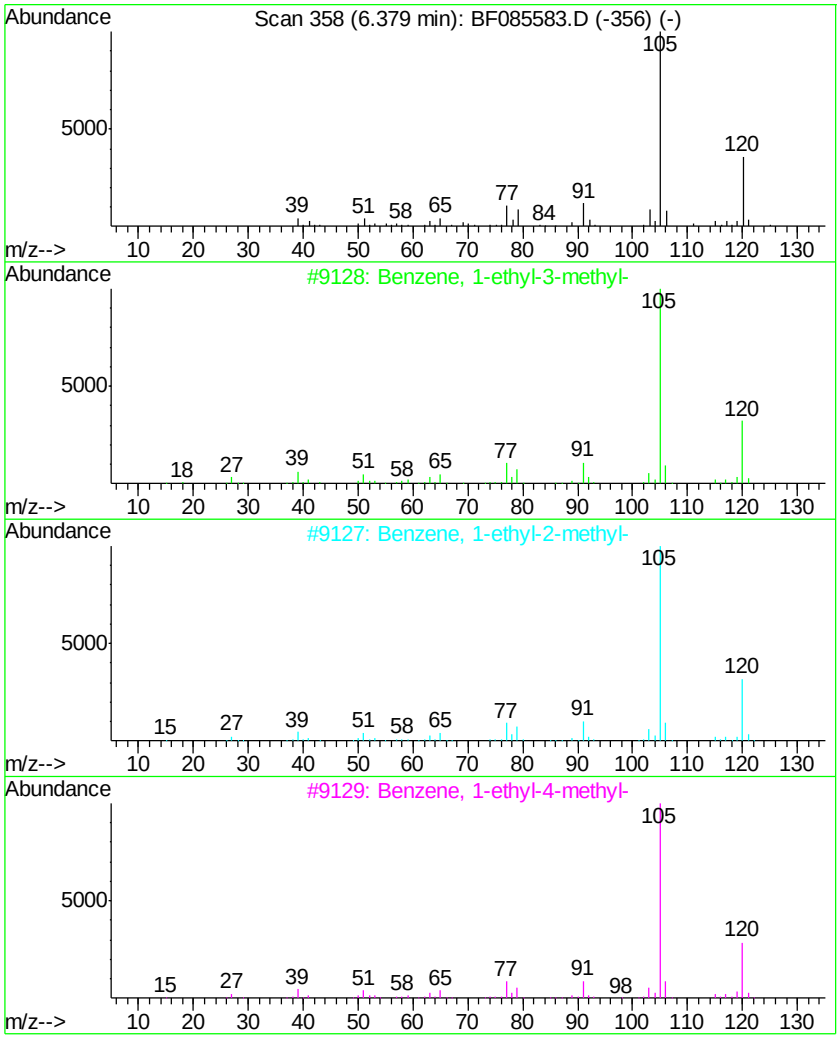
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

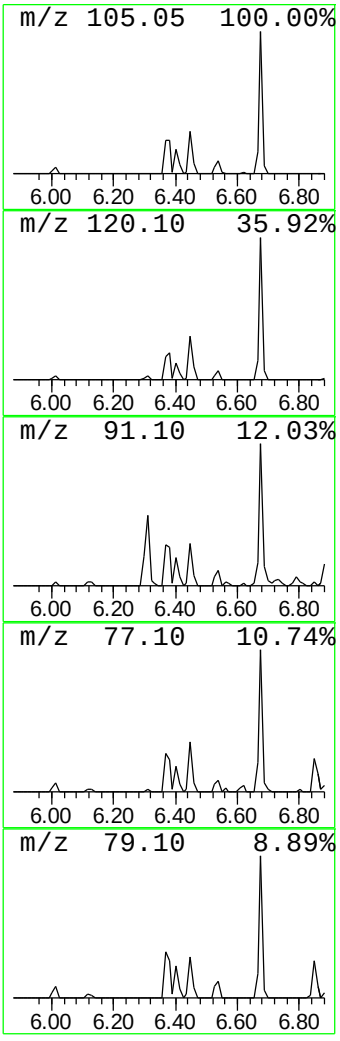
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	20.51 ng	166350	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

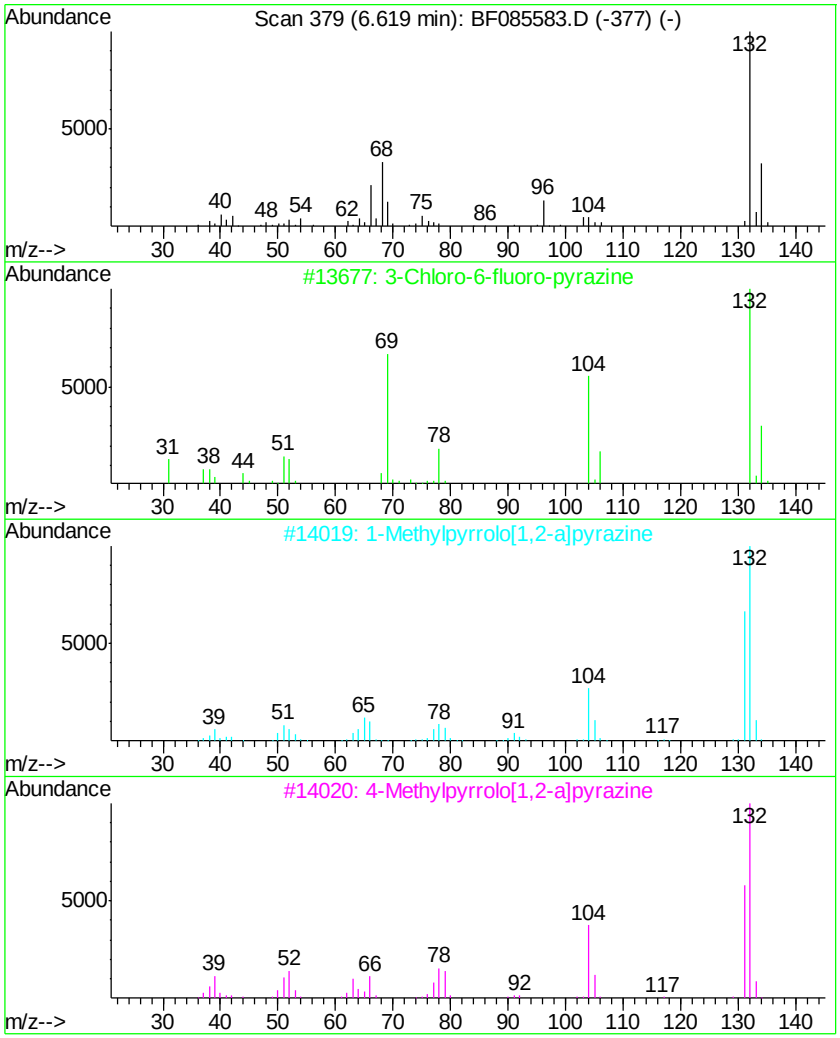
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

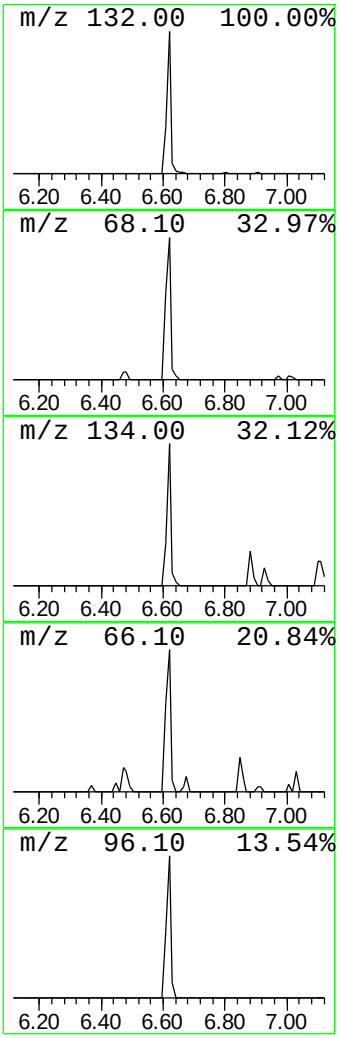
****

Peak Number 4 unknown6.62 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	16.93 ng	137307	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

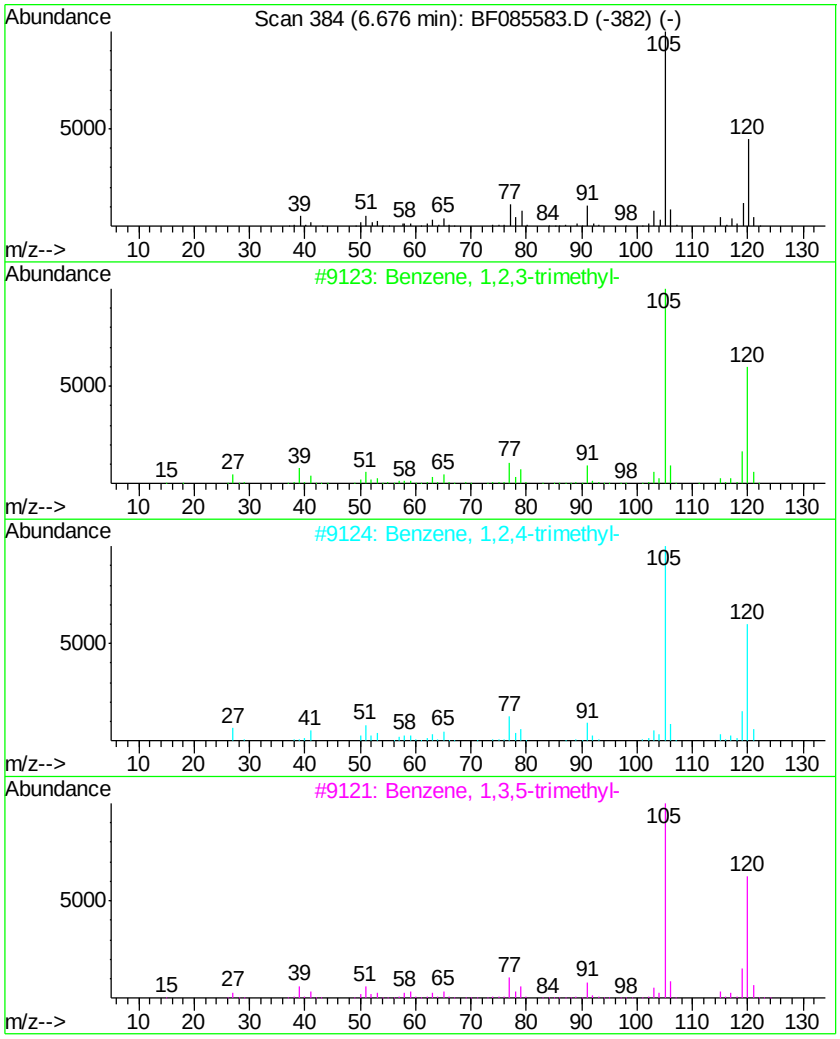
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

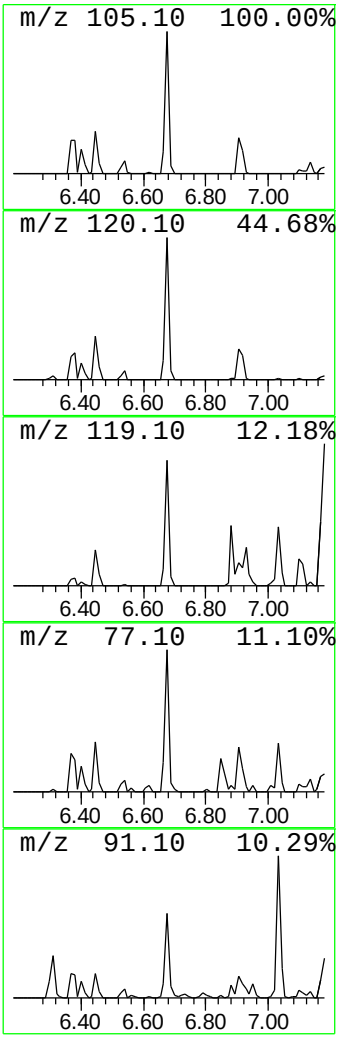
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	58.72 ng	476327	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

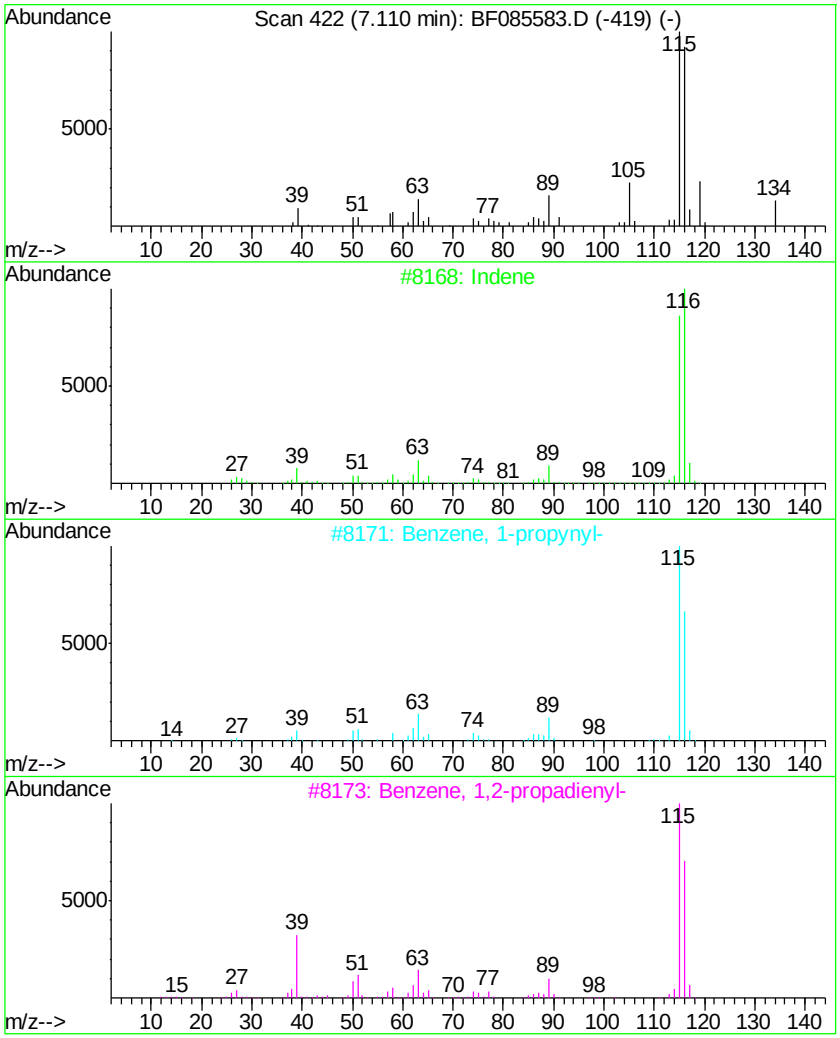
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

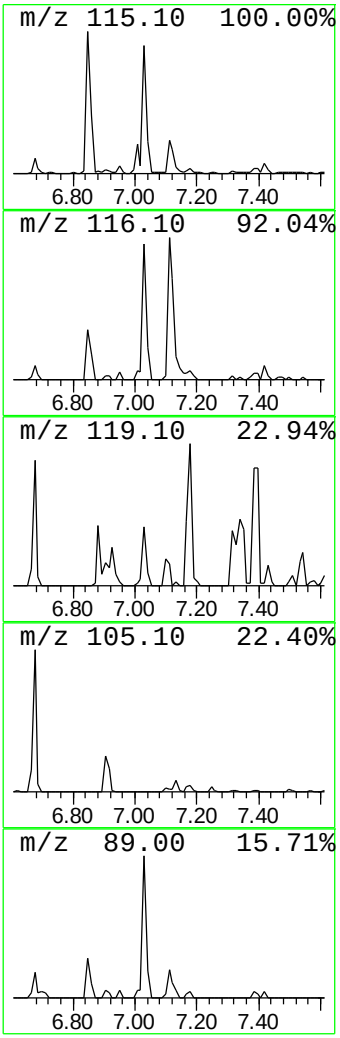
****

Peak Number 6 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	17.46 ng	141613	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	93
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	76
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	68
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	64
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

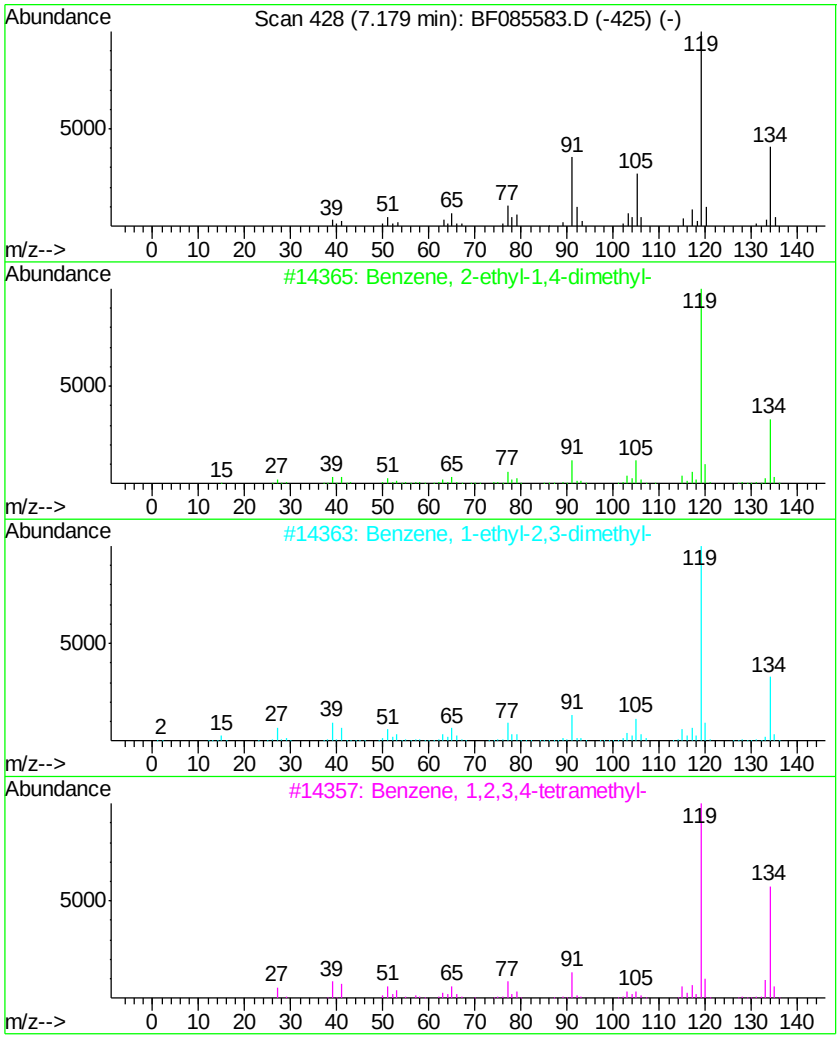
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

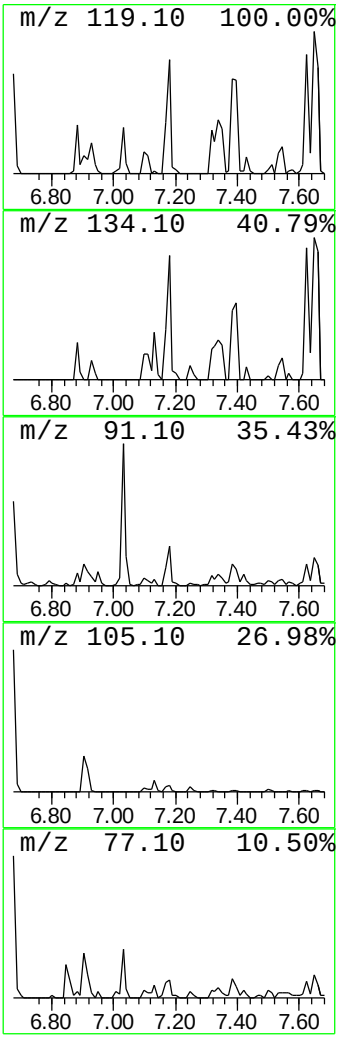
****

Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	12.58 ng	102050	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

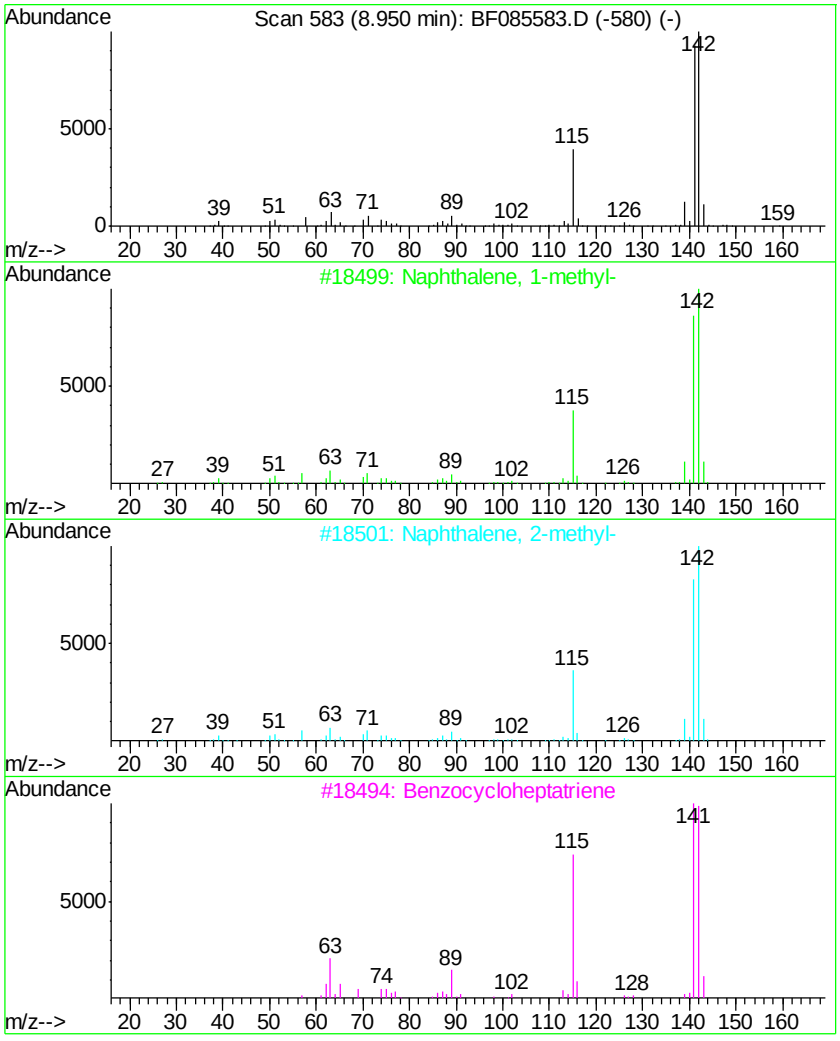
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

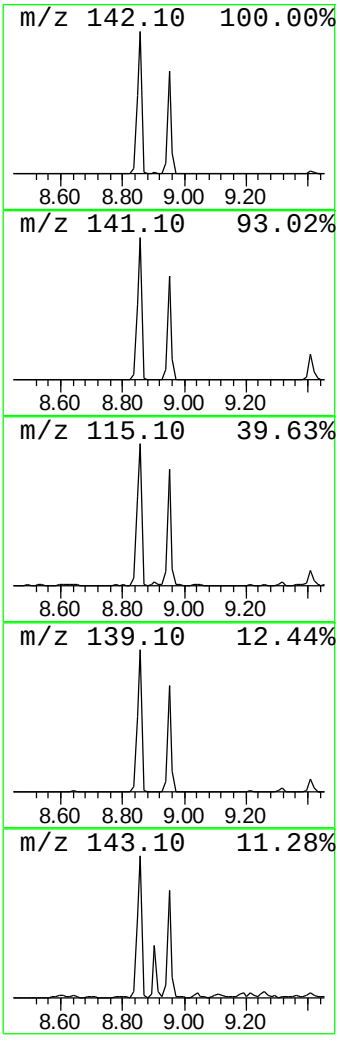
****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	7.34 ng	2406890	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

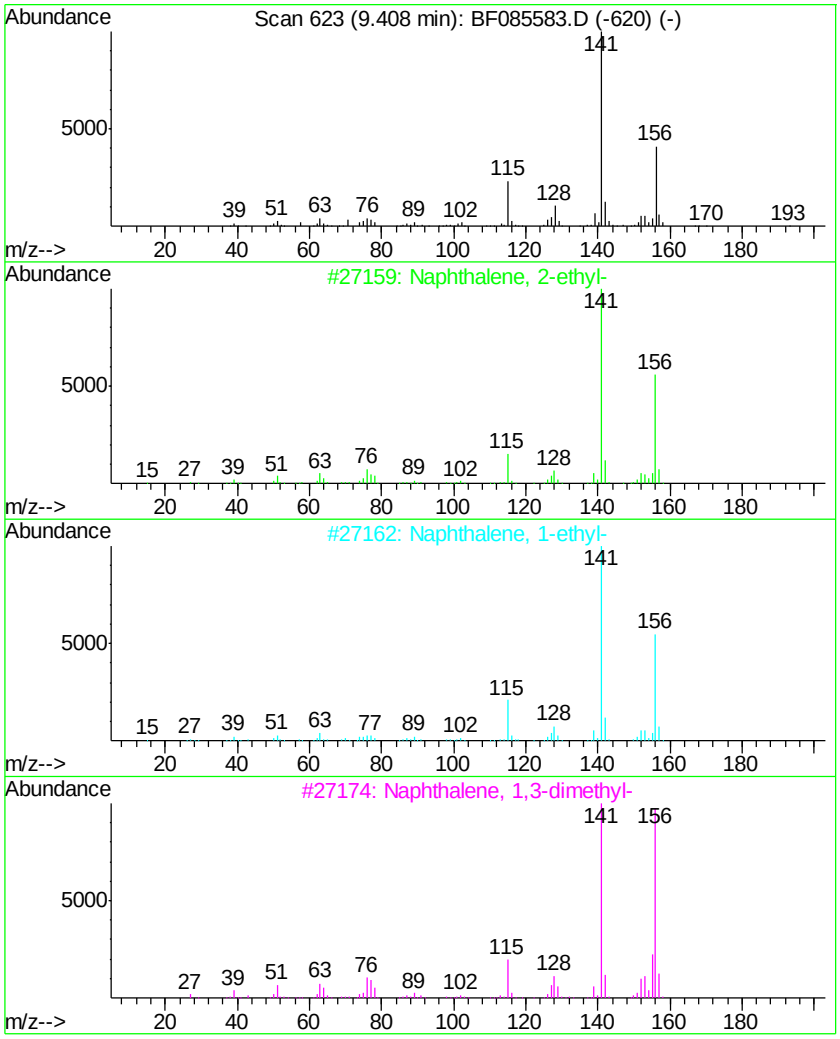
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

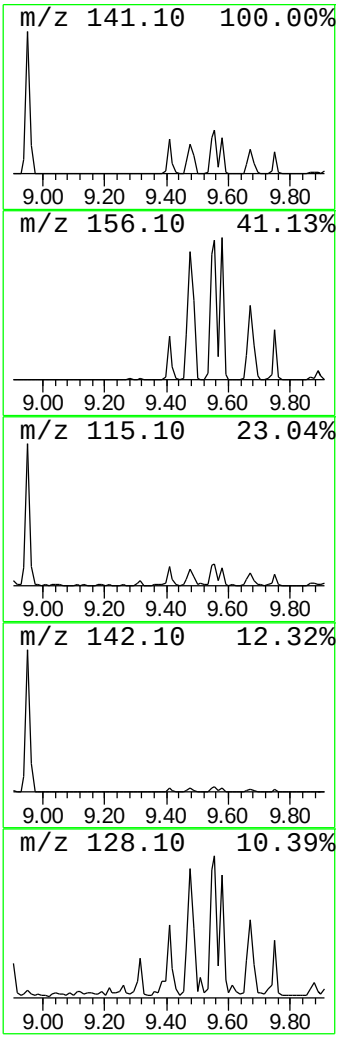
****

Peak Number 9 Naphthalene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	8.95 ng	638344	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	72
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

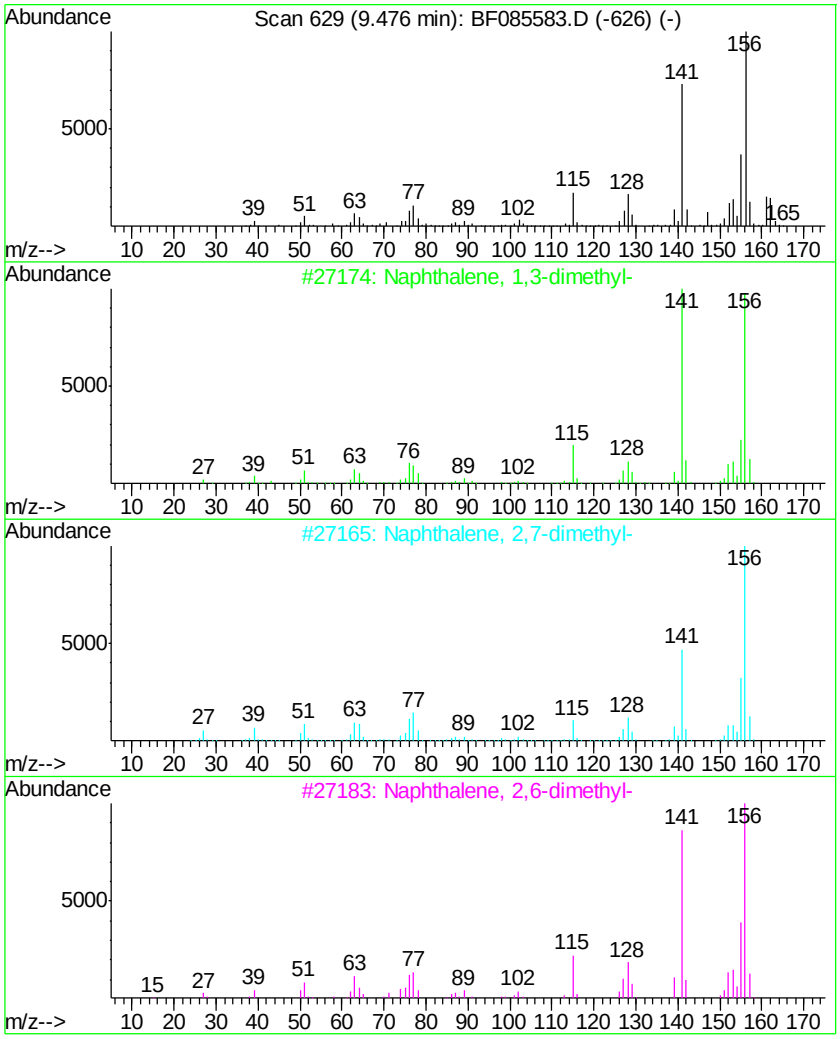
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

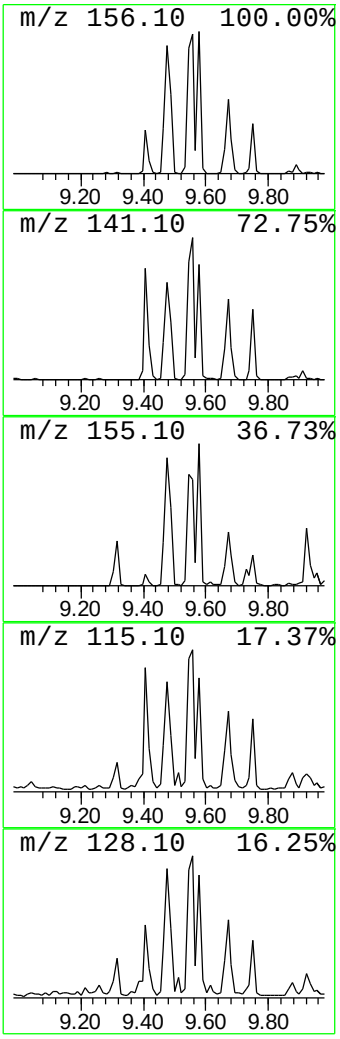
****

Peak Number 10 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	17.61 ng	1255290	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

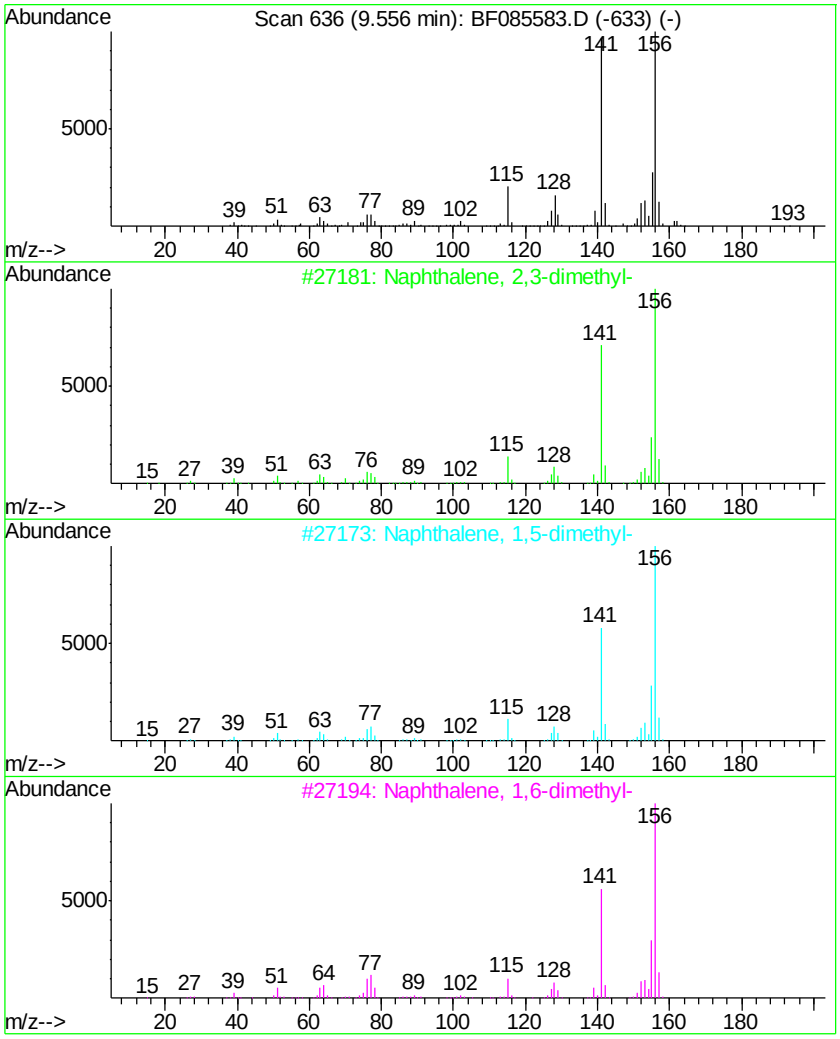
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

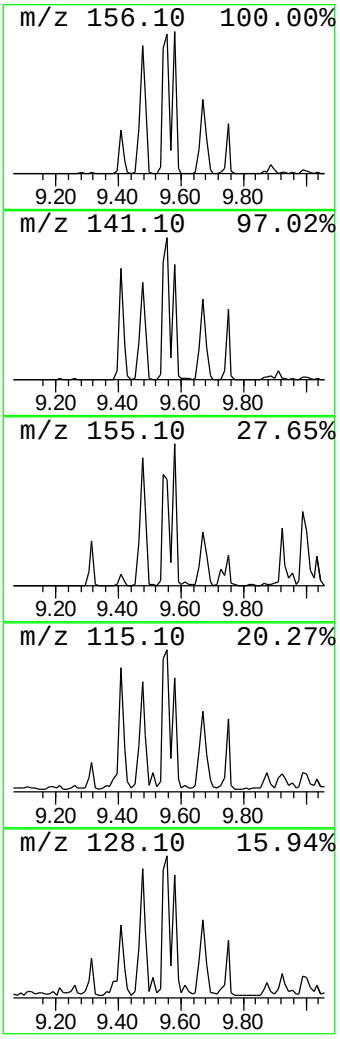
****

Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	20.11 ng	1433400	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

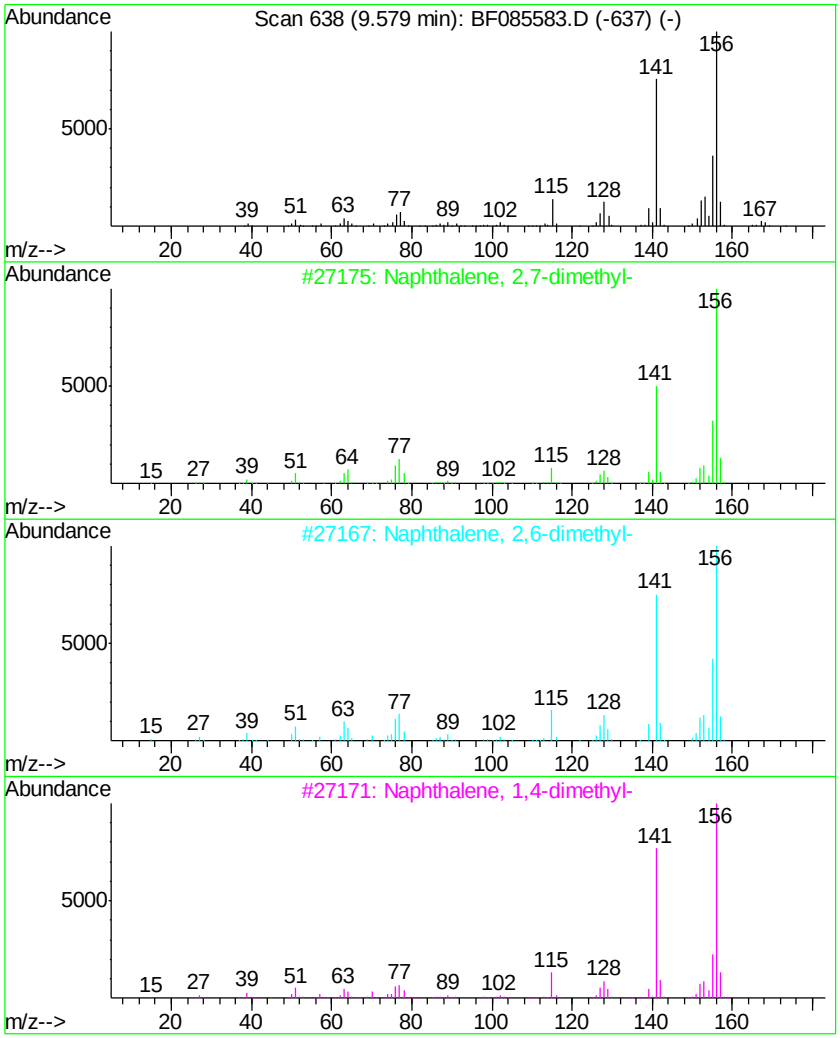
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

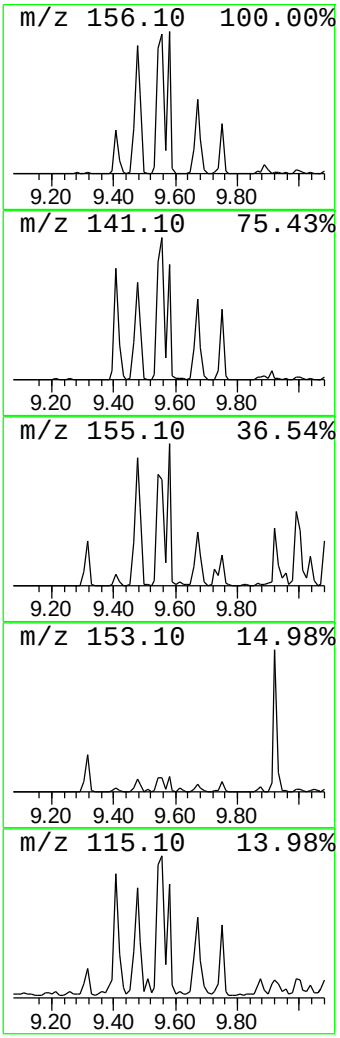
****

Peak Number 12 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	10.22 ng	728922	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

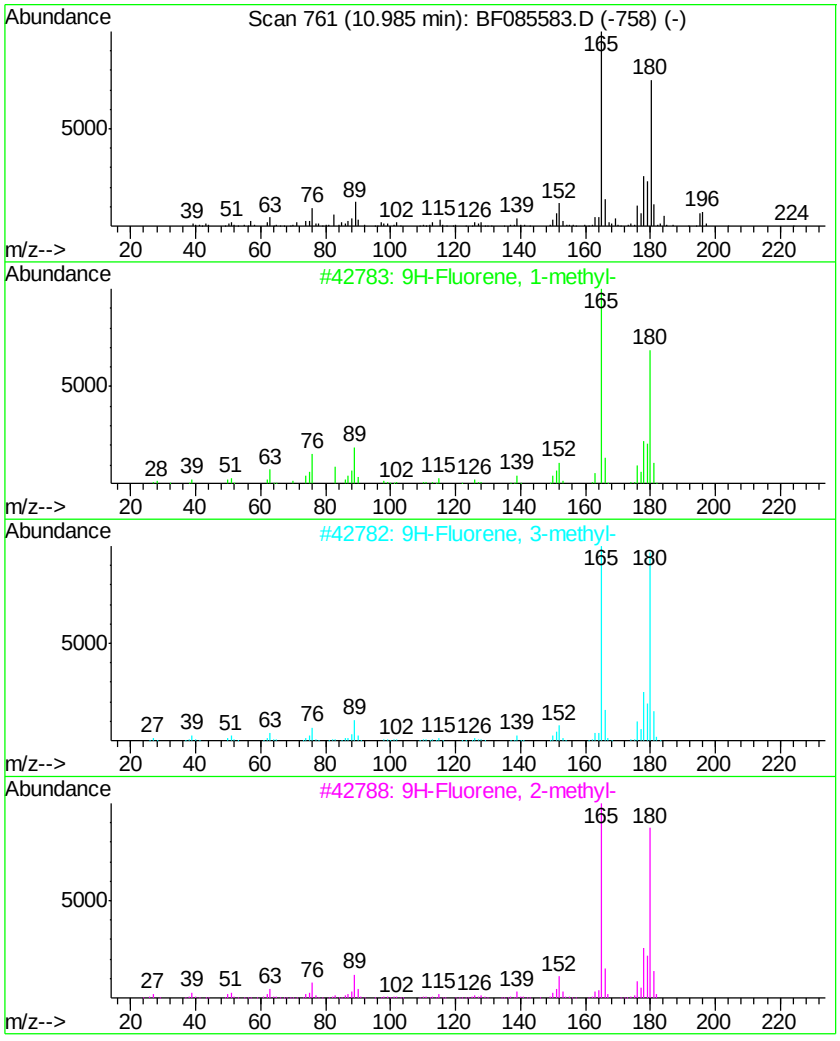
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

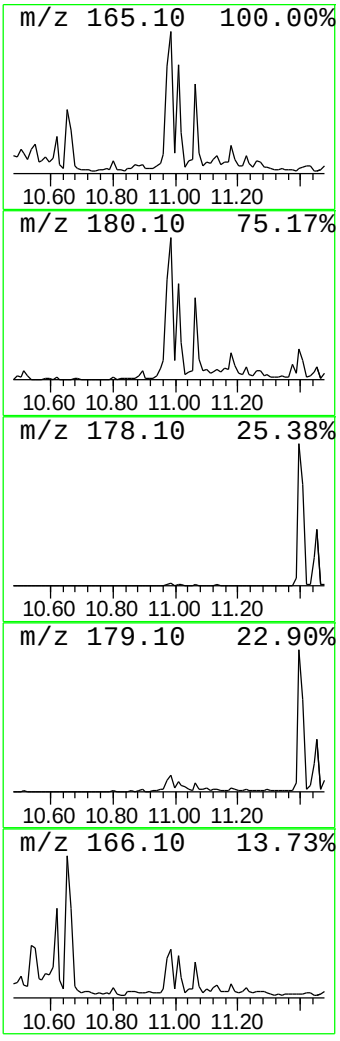
****

Peak Number 14 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	5.47 ng	304235	Phenanthrene-d10	11.37

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	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	(E)-Stilbene	180	C14H12	000103-30-0	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

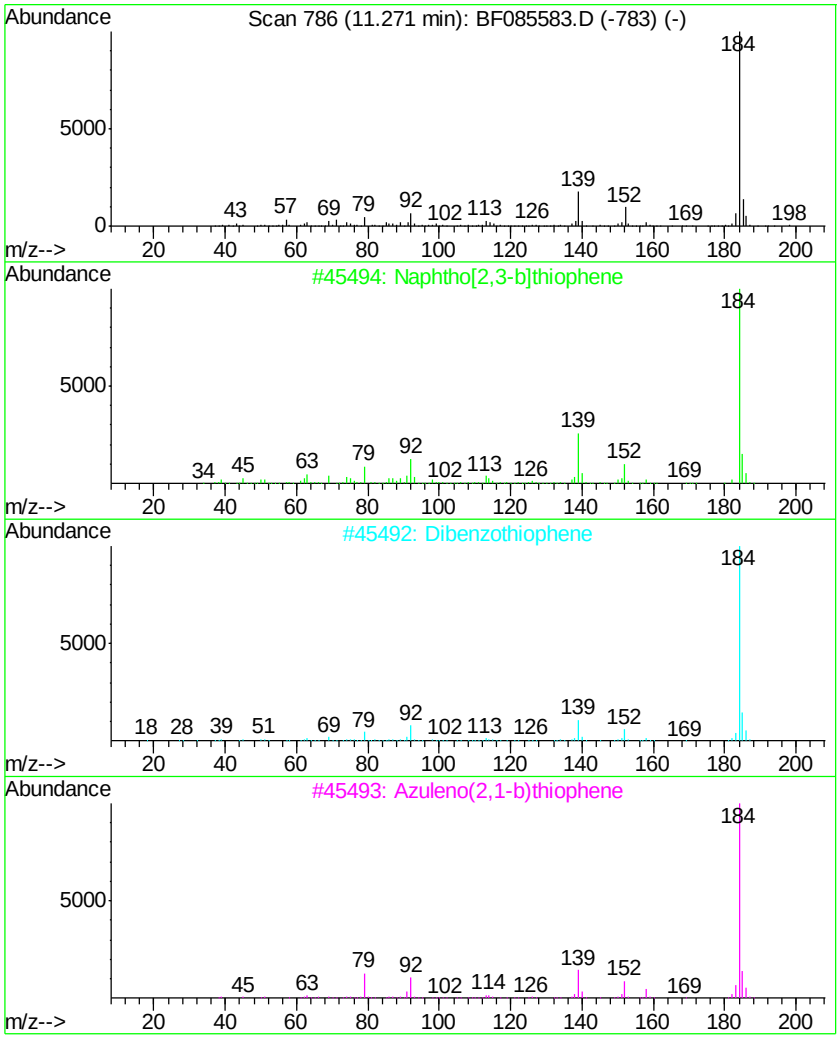
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

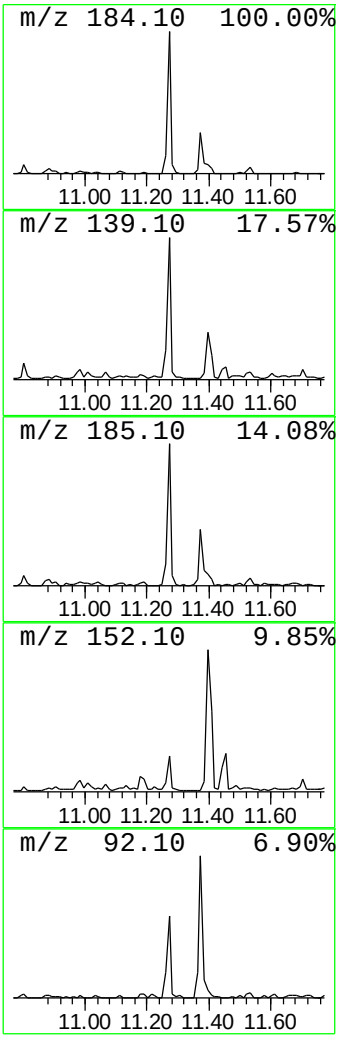
****

Peak Number 15 Naphtho[2,3-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	8.49 ng	472174	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	56





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

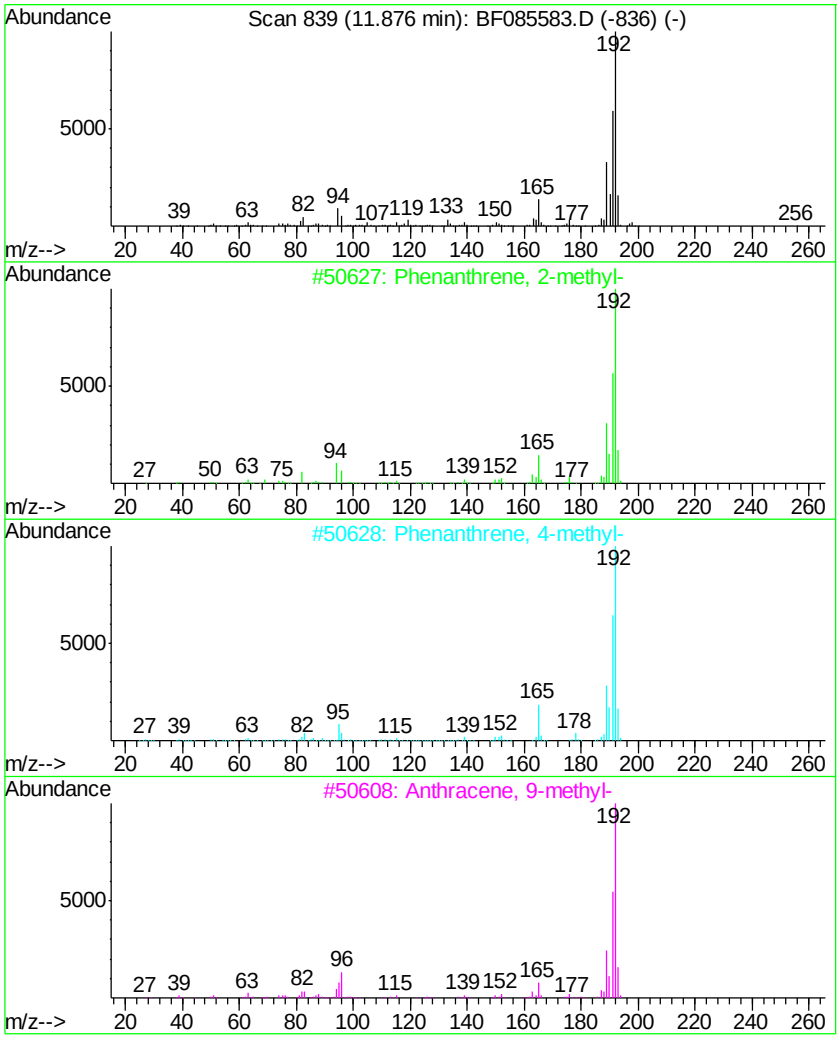
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

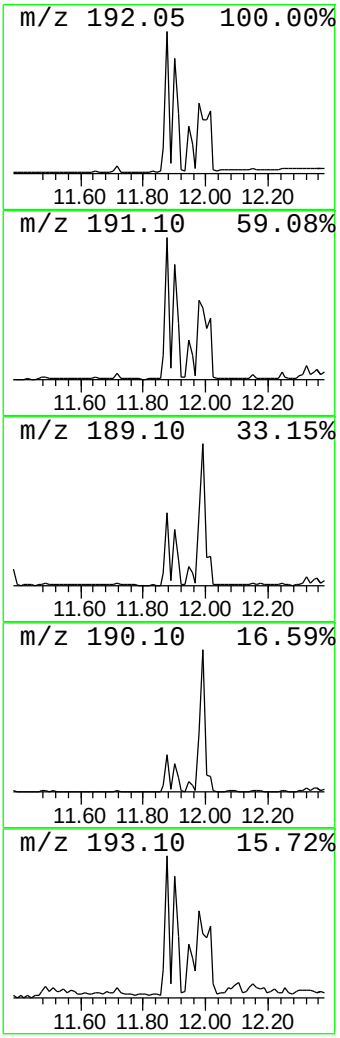
****

Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	10.68 ng	593857	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

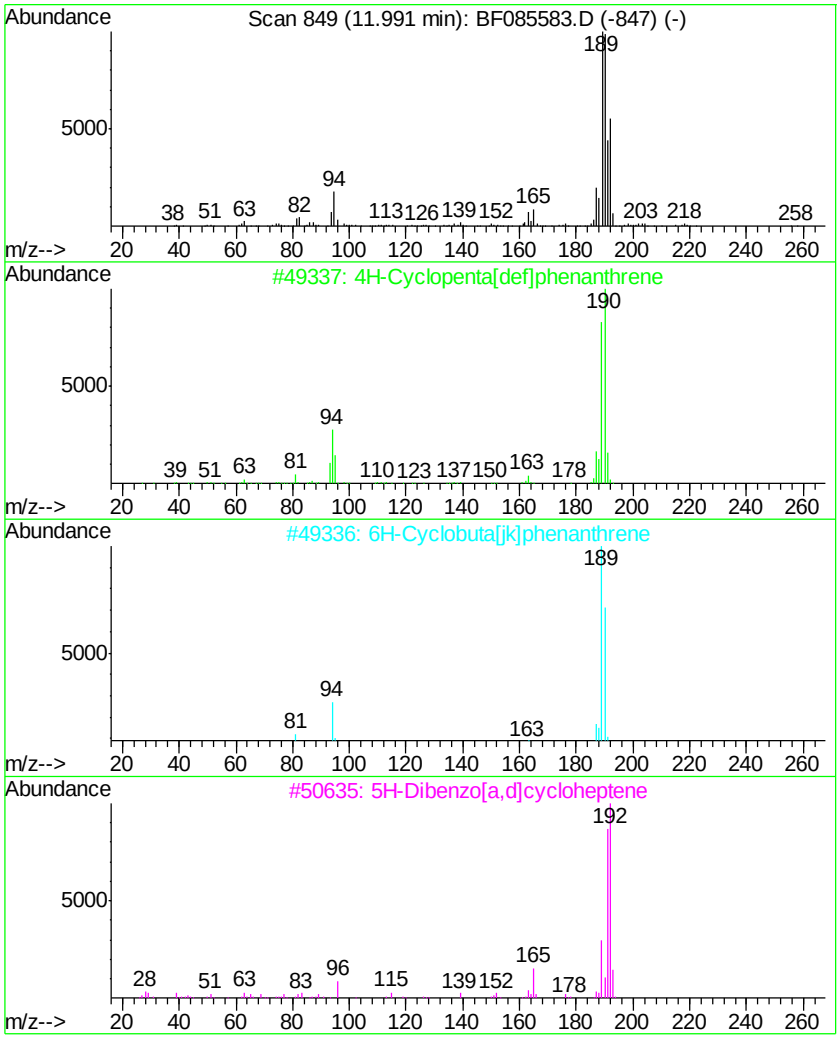
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

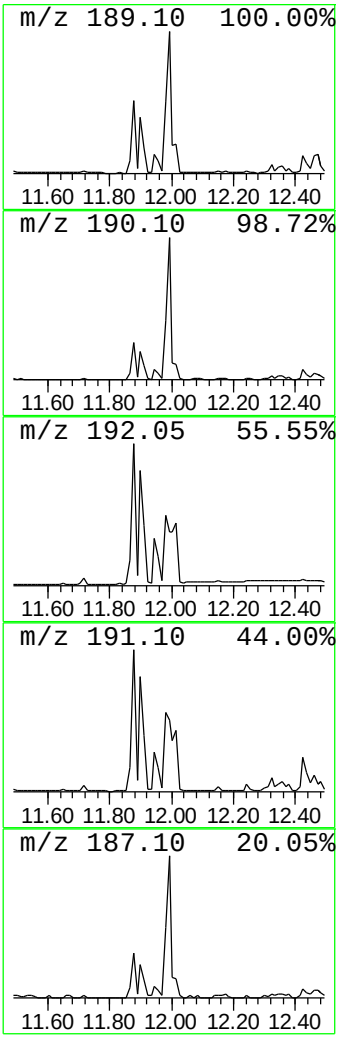
****

Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	18.00 ng	1000650	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	14
4	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	14
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

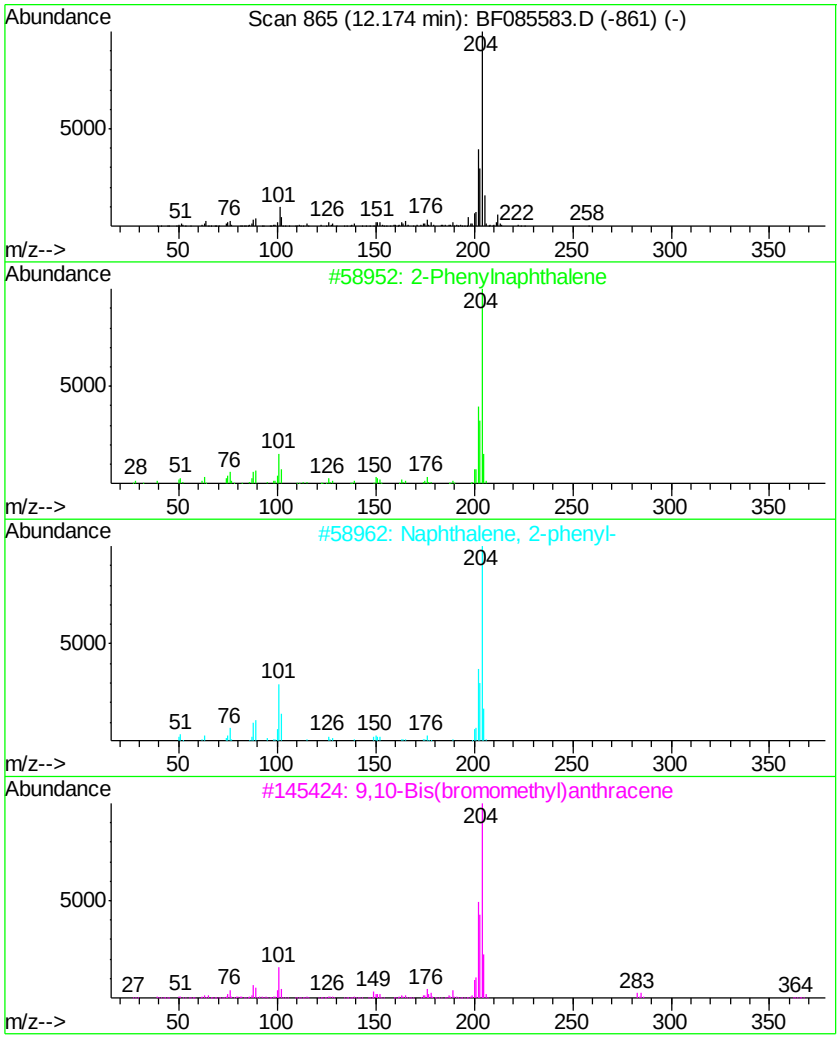
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

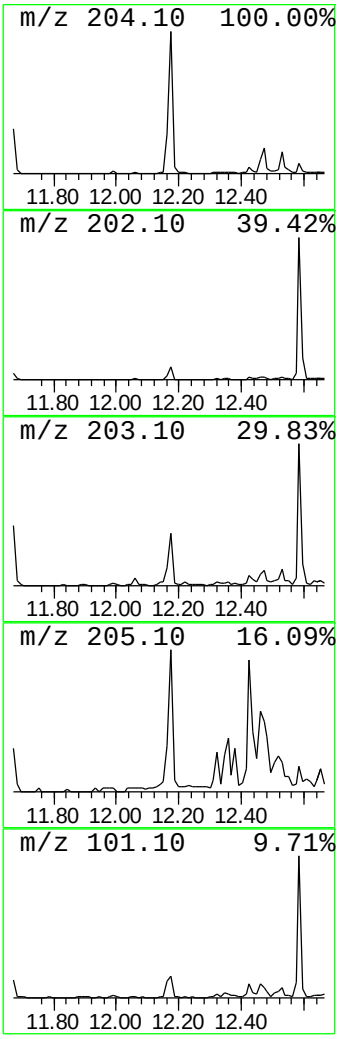
****

Peak Number 19 2-Phenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	7.13 ng	396544	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

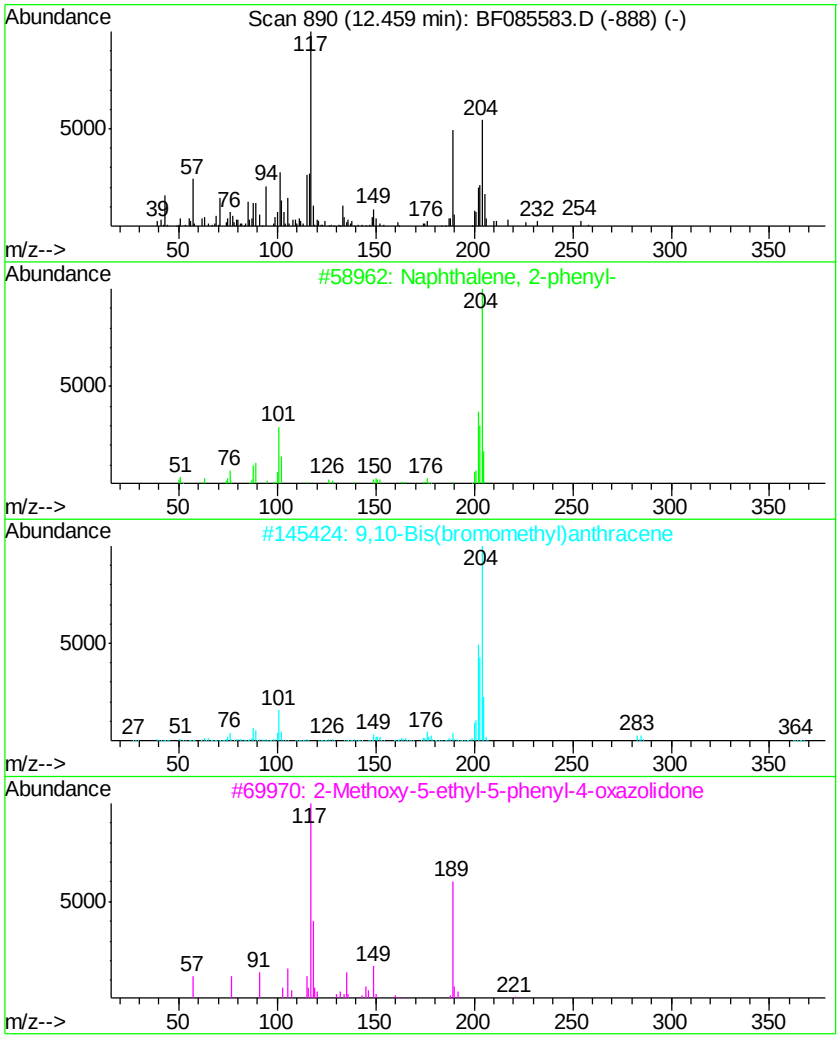
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

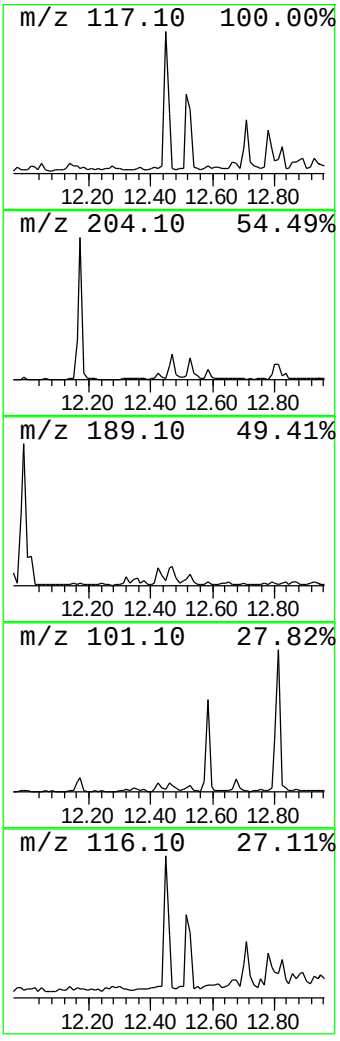
****

Peak Number 20 unknown12.46 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.80 ng	378263	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
3	2-Methoxy-5-ethyl-5-phenyl-4-oxa...	221	C12H15NO3	056440-40-5	25
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	22
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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
Benzene, 1-ethyl-...	6.38	20.5	ng	166350	1	7.01	162230	20.0
unknown6.62	6.62	16.9	ng	137307	1	7.01	162230	20.0
Benzene, 1,2,3-tr...	6.68	58.7	ng	476327	1	7.01	162230	20.0
Indene	7.11	17.5	ng	141613	1	7.01	162230	20.0
Benzene, 2-ethyl-...	7.18	12.6	ng	102050	1	7.01	162230	20.0
Naphthalene, 1-me...	8.95	7.3	ng	2406890	2	8.14	6557250	20.0
Naphthalene, 2-et...	9.41	8.9	ng	638344	3	9.89	1425800	20.0
Naphthalene, 1,3-...	9.48	17.6	ng	1255290	3	9.89	1425800	20.0
Naphthalene, 2,3-...	9.56	20.1	ng	1433400	3	9.89	1425800	20.0
Naphthalene, 2,7-...	9.58	10.2	ng	728922	3	9.89	1425800	20.0
9H-Fluorene, 1-me...	10.98	5.5	ng	304235	4	11.37	1111930	20.0
Naphtho[2,3-b]thi...	11.27	8.5	ng	472174	4	11.37	1111930	20.0
Phenanthrene, 2-m...	11.88	10.7	ng	593857	4	11.37	1111930	20.0
4H-Cyclopenta[def...	11.99	18.0	ng	1000650	4	11.37	1111930	20.0
2-Phenylnaphthalene	12.17	7.1	ng	396544	4	11.37	1111930	20.0
unknown12.46	12.46	6.8	ng	378263	4	11.37	1111930	20.0