LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

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-BF051716.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	1.713	9	11	56	rVB	1604814	3684525	77.30%	4.495%
2	4.696	269	272	287	rBV	1642605	3085500	64.73%	3.764%
3	5.164	310	313	315	rBV	3434155	4729865	99.22%	5.770%
4	5.553	345	347	357	rVB	230373	276115	5.79%	0.337%
5	6.239	404	407	413	rBV	4051410	4616706	96.85%	5.632%
6	6.342	413	416	418	rBV	4835369	4766815	100.00%	5.815%
7	6.570	433	436	438	rBV	729221	960014	20.14%	1.171%
8	6.719	447	449	452	rBV	3111761	3256161	68.31%	3.972%
9	7.142	484	486	489	rBV	2624748	2954959	61.99%	3.605%
10	7.850	546	548	554	rBV	1272261	1381920	28.99%	1.686%
11	8.936	640	643	645	rBV	4739856	4452099	93.40%	5.431%
12	9.268	670	672	673	rBV	118028	137555	2.89%	0.168%
13	9.336	676	678	680	rBV	668075	567896	11.91%	0.693%
14	9.382	680	682	685	rVB	69408	98605	2.07%	0.120%
15	9.462	685	689	692	rBV	233188	229071	4.81%	0.279%
16	9.553	695	697	698	rBV	98462	120491	2.53%	0.147%
17	9.599	698	701	703	rBV	1422549	1333992	27.98%	1.627%
18	9.633	703	704	706	rVV	320153	245360	5.15%	0.299%
19	9.759	713	715	716	rBV2	107307	120916	2.54%	0.148%
20	9.805	716	719	721	rVB	191179	193010	4.05%	0.235%
21	9.851	721	723	726	rVB2	53309	114673	2.41%	0.140%
22	10.011	734	737	738	rBV2	70645	112911	2.37%	0.138%
23	10.045	738	740	742	rVB	229541	198055	4.15%	0.242%
24	10.148	747	749	751	rVV	331186	333891	7.00%	0.407%
25	10.205	752	754	755	rVV2	100123	177156	3.72%	0.216%
26	10.228	755	756	757	rVV	121232	106351	2.23%	0.130%
27	10.262	757	759	761	rVV2	124505	222334	4.66%	0.271%
28	10.308	761	763	765	rVB2	113437	168089	3.53%	0.205%
29	10.388	768	770	773	rVV2	2202065	2671461	56.04%	3.259%
30	10.514	780	781	785	rVB	263975	310390	6.51%	0.379%
31	10.696	793	797	798	rBV2	132026	258006	5.41%	0.315%
32	10.719	798	799	802	rVV	165287	209868	4.40%	0.256%
33	10.776	802	804	805	rVB2	96027	105552	2.21%	0.129%
34	10.845	805	810	813	rBV4	97693	283270	5.94%	0.346%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.936	816	818	819	rBV	144560	158269	3.32%	0.193%
36	10.971	819	821	826	rVB2	237755	441093	9.25%	0.538%
37	11.108	828	833	834	rBV2	2236014	3502857	73.48%	4.273%
38	11.154	834	837	839	rVV	844733	748938	15.71%	0.914%
39	11.188	839	840	843	rVV	76447	125825	2.64%	0.154%
40	11.325	849	852	855	rBV3	102514	213406	4.48%	0.260%
41	11.371	855	856	858	rVV2	84754	132218	2.77%	0.161%
42	11.405	858	859	864	rVB	226711	252801	5.30%	0.308%
43	11.485	864	866	868	rBV	116214	152986	3.21%	0.187%
44	11.576	872	874	875	rBV	679723	628688	13.19%	0.767%
45	11.611	875	877	879	rVV	628345	684119	14.35%	0.835%
46	11.656	879	881	882	rVV	316329	286180	6.00%	0.349%
47	11.691	882	884	888	rVB2	933098	1571291	32.96%	1.917%
48	11.771	889	891	892	rBV2	68686	96915	2.03%	0.118%
49	11.794	892	893	896	rVB2	84148	146109	3.07%	0.178%
50	11.874	896	900	902	rBV	438913	559811	11.74%	0.683%
51	11.908	902	903	905	rVB	199794	167070	3.50%	0.204%
52	11.942	905	906	908	rBV	89847	97786	2.05%	0.119%
53	12.022	910	913	914	rBV2	199613	277171	5.81%	0.338%
54	12.057	914	916	920	rVB2	154119	295118	6.19%	0.360%
55	12.125	920	922	924	rBV	498771	624672	13.10%	0.762%
56	12.159	924	925	928	rVB2	295791	426939	8.96%	0.521%
57	12.217	928	930	934	rVB2	324008	462424	9.70%	0.564%
58	12.285	934	936	939	rBV	2567575	2636564	55.31%	3.216%
59	12.354	939	942	946	rVB4	100976	254899	5.35%	0.311%
60	12.434	946	949	951	rBV	189167	222946	4.68%	0.272%
61	12.514	953	956	958	rBV	2936328	3354523	70.37%	4.092%
62	12.571	959	961	963	rVB2	168155	244707	5.13%	0.299%
63	12.628	965	966	967	rBV	117531	143658	3.01%	0.175%
64	12.662	967	969	971	rVV	2931124	2770224	58.11%	3.380%
65	12.731	972	975	979	rBV2	317832	557968	11.71%	0.681%
66	12.845	981	985	986	rVB2	441510	865433	18.16%	1.056%
67	12.902	988	990	992	rVV	391842	394185	8.27%	0.481%
68	12.937	992	993	997	rVV2	350367	591916	12.42%	0.722%
69	13.028	1000	1001	1003	rBV	221986	284162	5.96%	0.347%
70	13.062	1003	1004	1006	rBV	346472	286243	6.00%	0.349%
71	13.211	1014	1017	1018	rBV3	72000	150596	3.16%	0.184%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.245	1018	1020	1025	rVB3	98871	267997	5.62%	0.327%
73	13.325	1025	1027	1028	rBV2	96238	117672	2.47%	0.144%
74	13.348	1028	1029	1033	rVB	192561	273014	5.73%	0.333%
75	13.451	1036	1038	1039	rBV	288253	398497	8.36%	0.486%
76	13.565	1046	1048	1052	rBV2	181166	317441	6.66%	0.387%
77	13.622	1052	1053	1056	rVB	94229	110914	2.33%	0.135%
78	13.702	1057	1060	1062	rBV2	1688408	3001594	62.97%	3.662%
79	13.737	1062	1063	1065	rVV	1245504	938735	19.69%	1.145%
80	13.805	1067	1069	1072	rBV2	229834	305016	6.40%	0.372%
81	13.874	1072	1075	1077	rBV2	78232	180352	3.78%	0.220%
82	14.057	1089	1091	1092	rVV	128041	135117	2.83%	0.165%
83	14.091	1092	1094	1096	rVV	440980	543725	11.41%	0.663%
84	14.125	1096	1097	1098	rVV	257182	207814	4.36%	0.254%
85	14.182	1098	1102	1104	rVV3	197580	479825	10.07%	0.585%
86	14.217	1104	1105	1108	rVV2	235451	391435	8.21%	0.478%
87	14.285	1110	1111	1114	rVB2	135684	153708	3.22%	0.188%
88	14.411	1120	1122	1126	rBV4	92582	206193	4.33%	0.252%
89	14.697	1145	1147	1152	rBV	935570	1953047	40.97%	2.383%
90	14.788	1154	1155	1157	rVB	202111	181509	3.81%	0.221%
91	14.960	1167	1170	1172	rVB	500130	699125	14.67%	0.853%
92	15.005	1172	1174	1177	rBV	900767	1071839	22.49%	1.308%
93	15.063	1177	1179	1180	rBV	571730	667255	14.00%	0.814%
94	16.285	1283	1286	1290	rBV	358784	649824	13.63%	0.793%
95	16.434	1296	1299	1301	rBV	99982	205244	4.31%	0.250%
96	16.480	1301	1303	1306	rVB2	69468	144511	3.03%	0.176%
97	16.651	1315	1318	1324	rVB	263465	526073	11.04%	0.642%
98	16.857	1334	1336	1341	rVB3	92362	232853	4.88%	0.284%
99	18.514	1477	1481	1491	rVB	64508	221116	4.64%	0.270%
100	19.463	1560	1564	1567	rBV2	28433	94347	1.98%	0.115%

Sum of corrected areas: 81970084

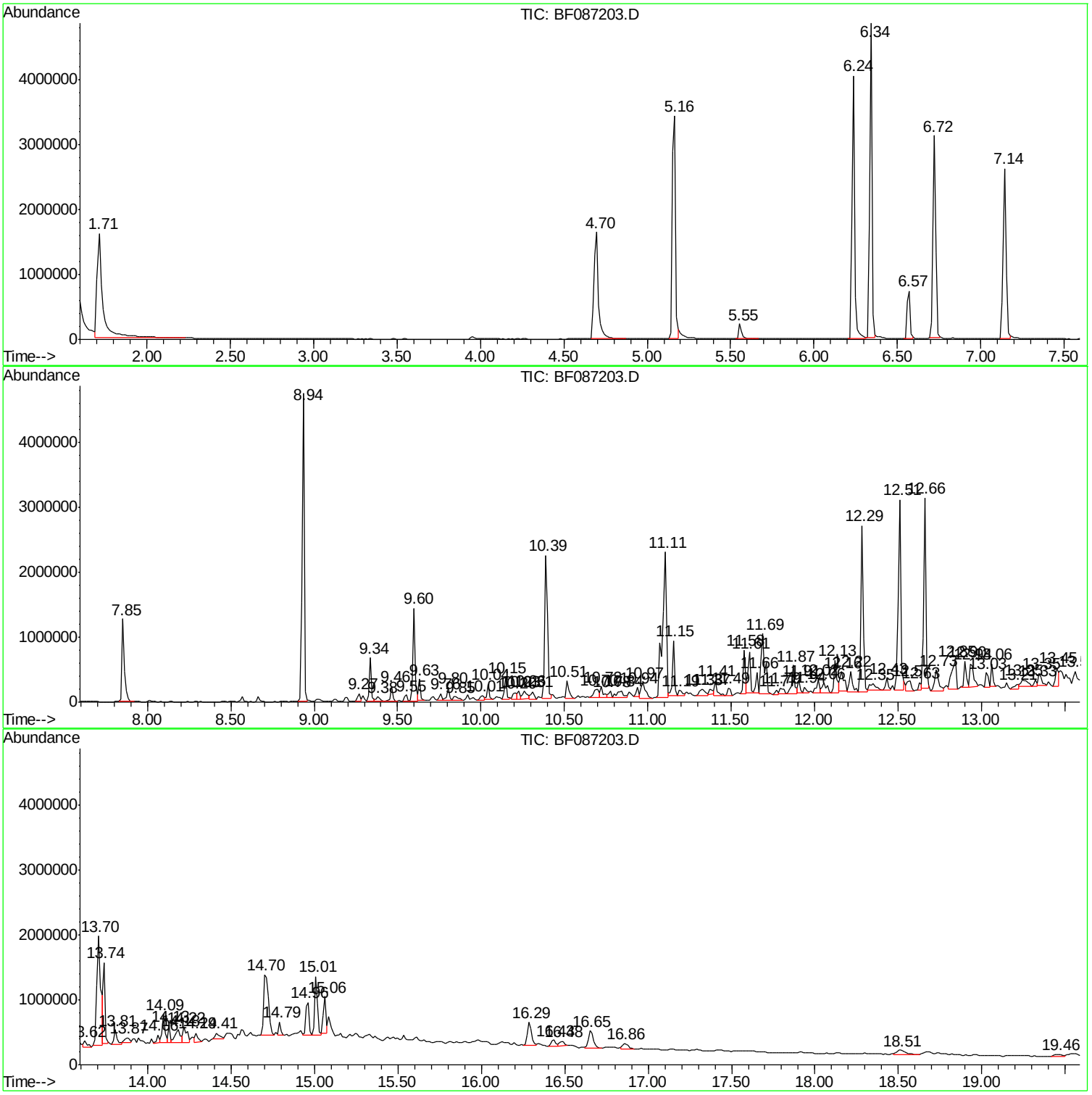
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

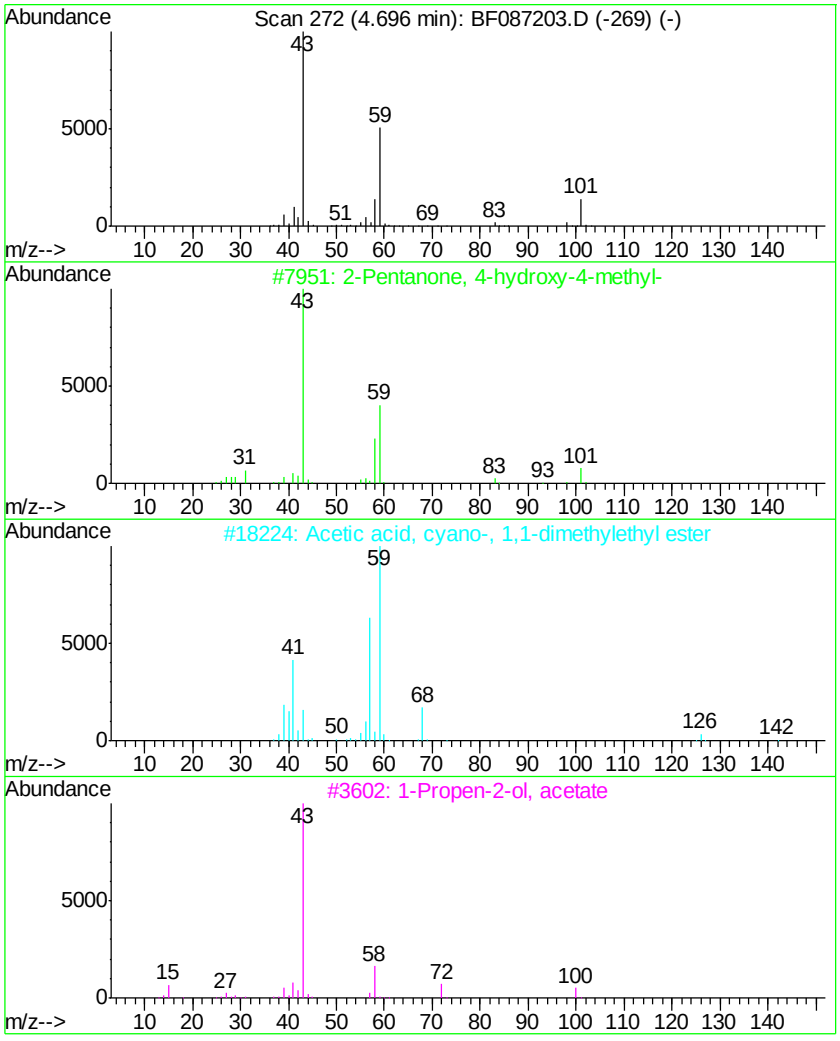
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

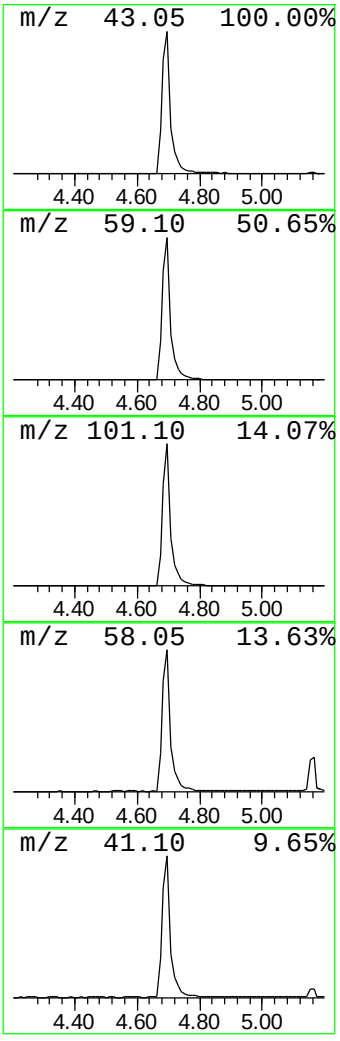
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	64.28 ng	3085500	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

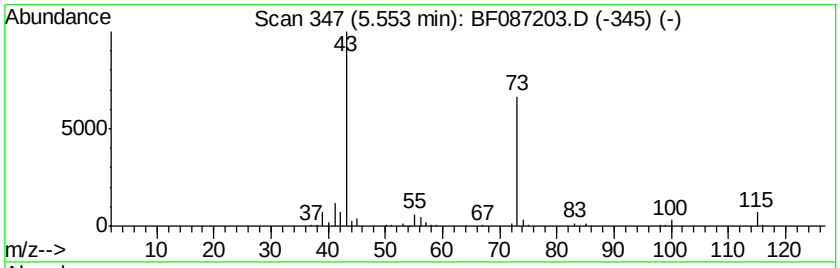
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

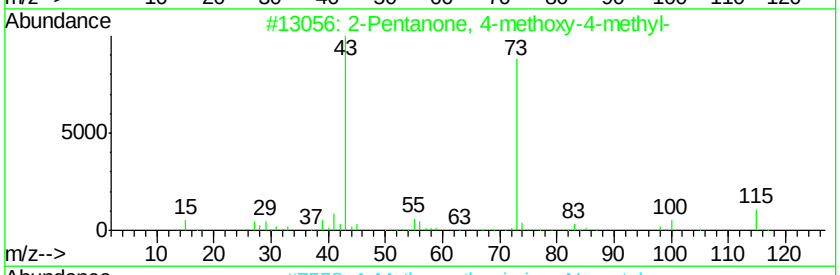
****

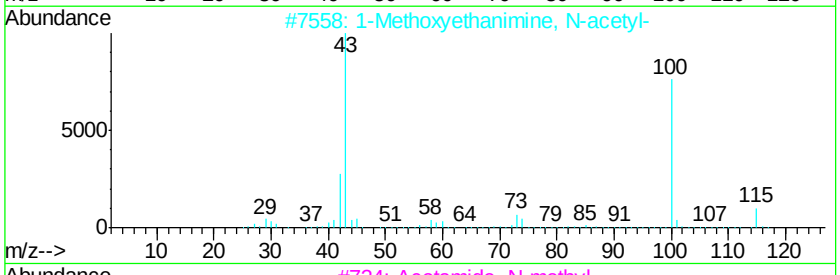
Peak Number 3 2-Pentanone, 4-methoxy-4-me... Concentration Rank 11

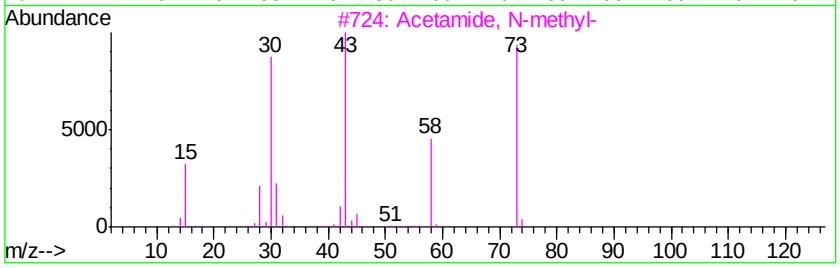
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	5.75 ng	276115	1,4-Dichlorobenzene-d4	6.57

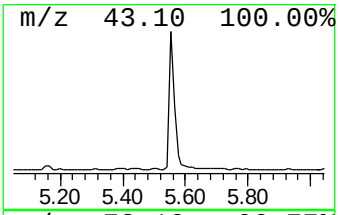
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	78
2	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	25
3	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	25
4	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	23
5	2-Heptanone	114	C7H14O	000110-43-0	17

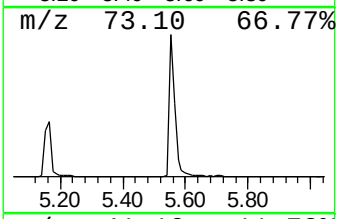


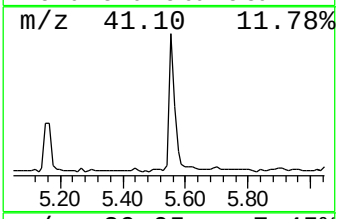


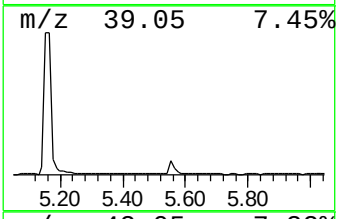


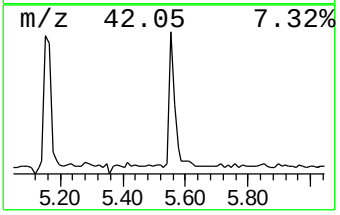












Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

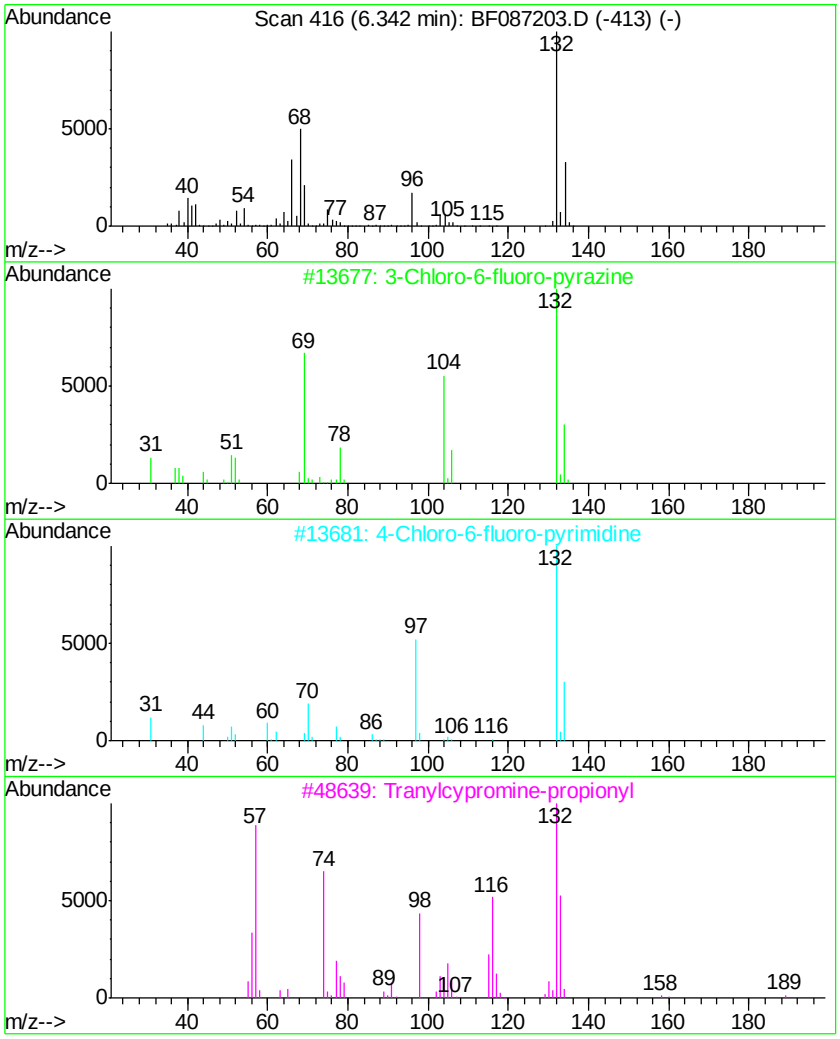
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

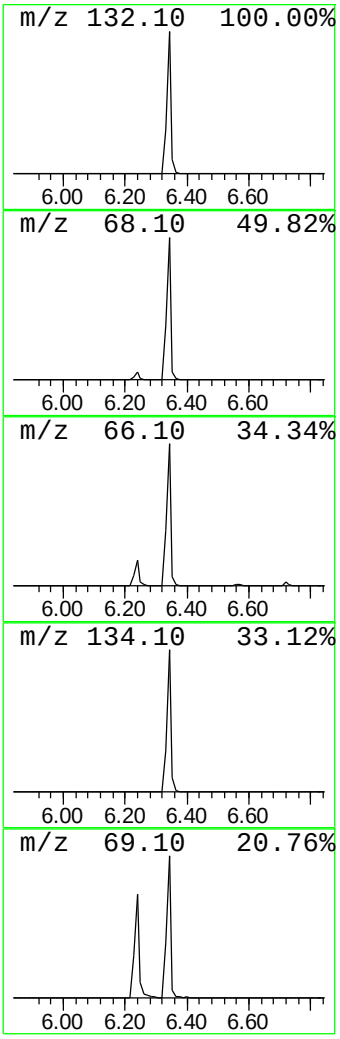
****

Peak Number 4 unknown6.34 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	99.31 ng	4766820	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

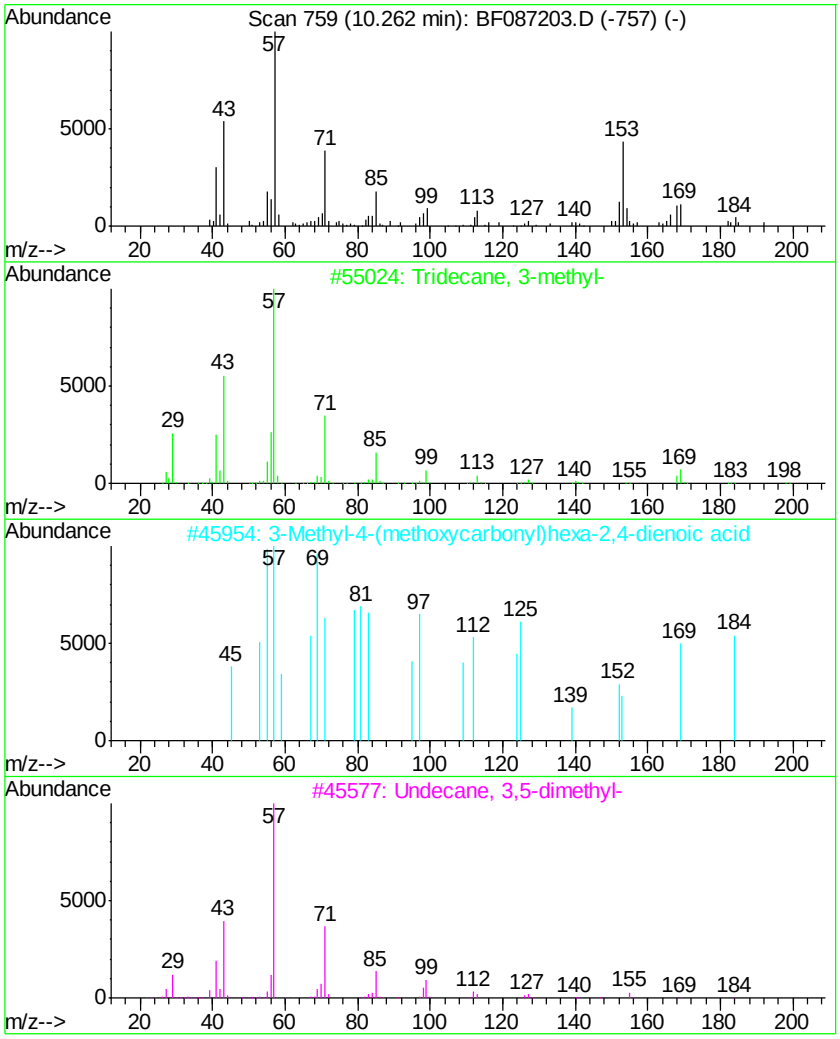
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

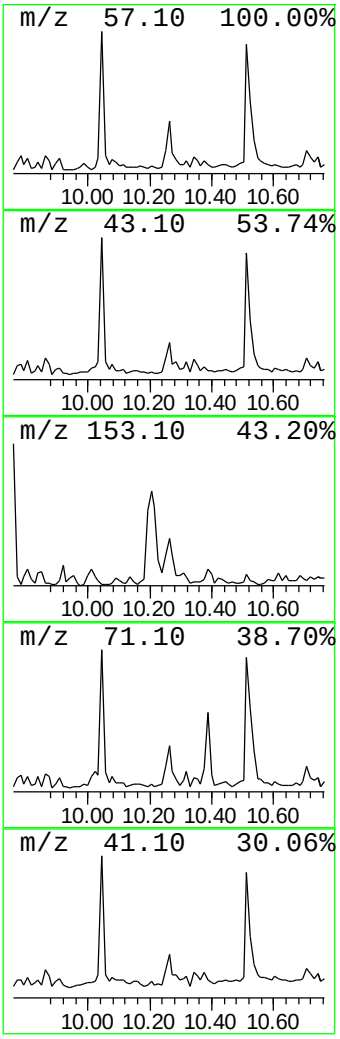
****

Peak Number 6 unknown10.26 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	3.33 ng	222334	Acenaphthene-d10	9.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
2	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	42
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	38
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	38
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

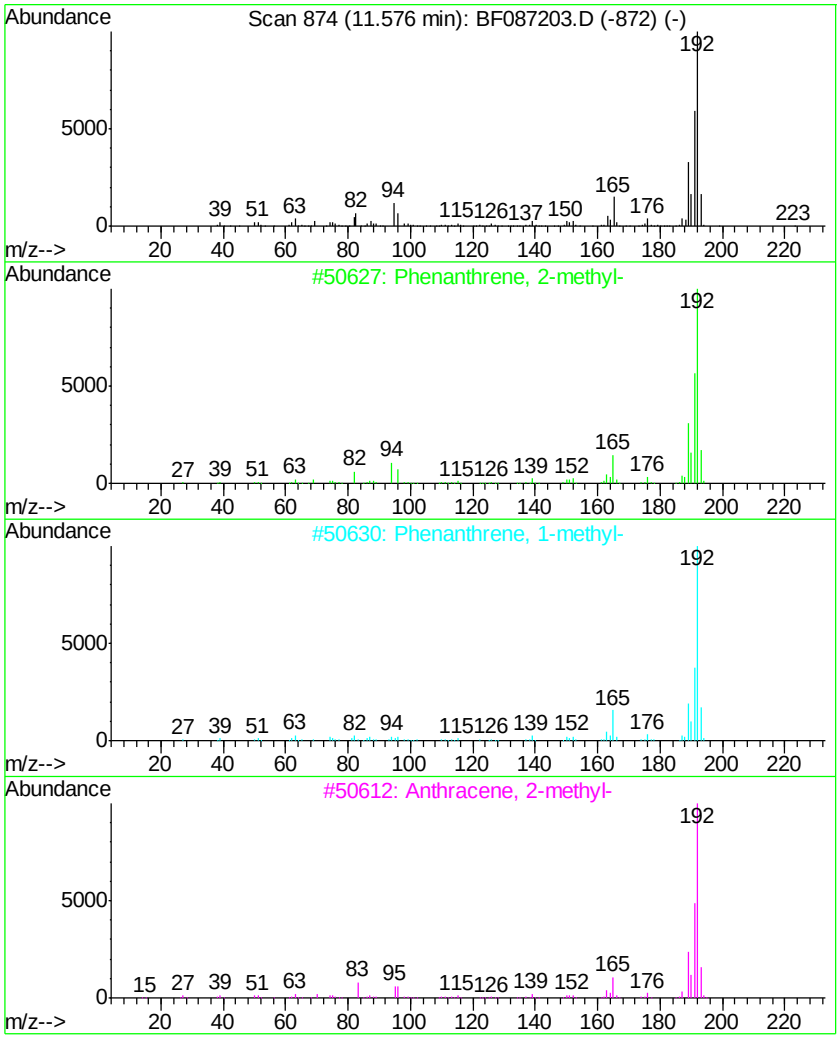
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

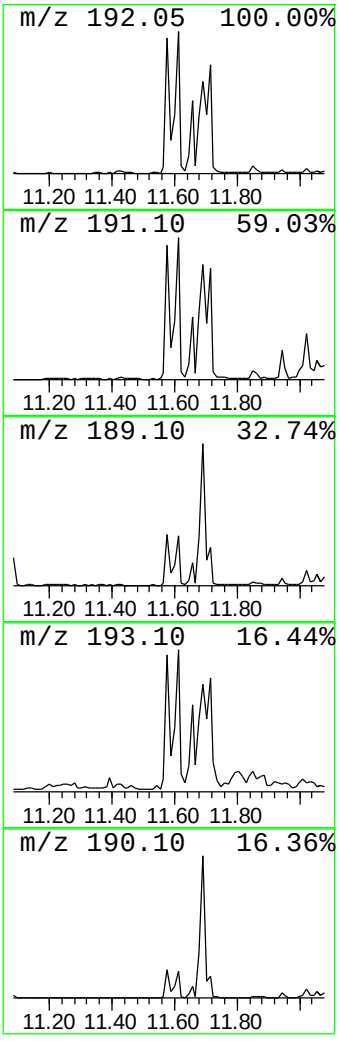
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	3.59 ng	628688	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

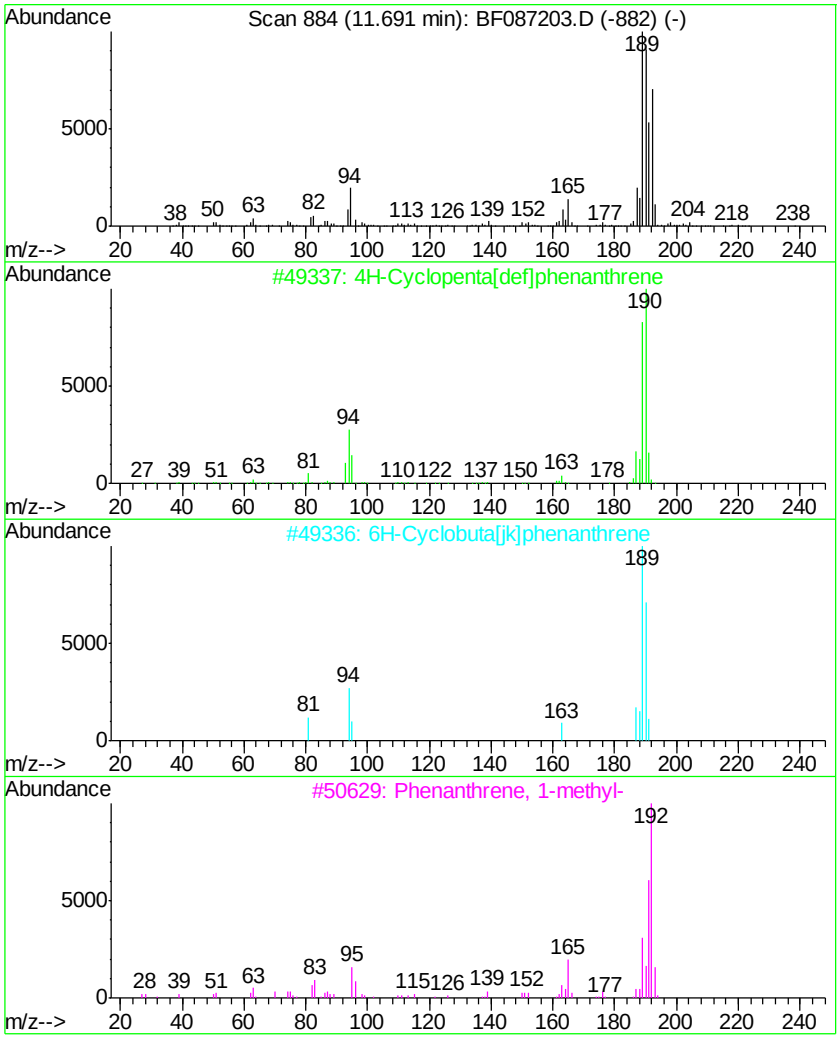
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

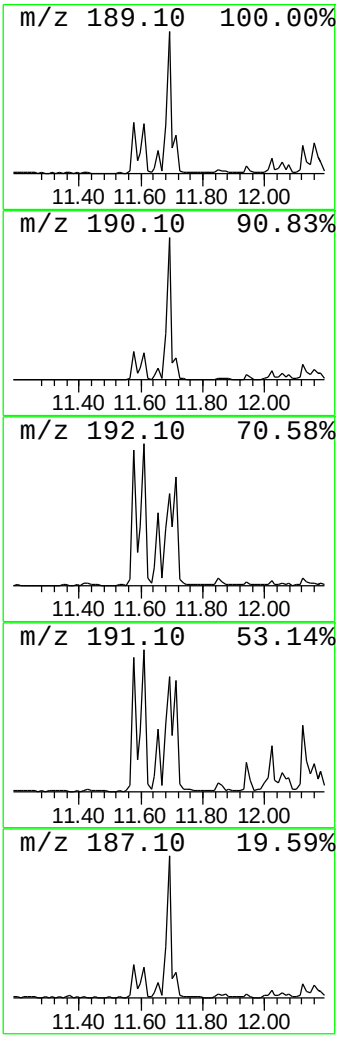
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	8.97 ng	1571290	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

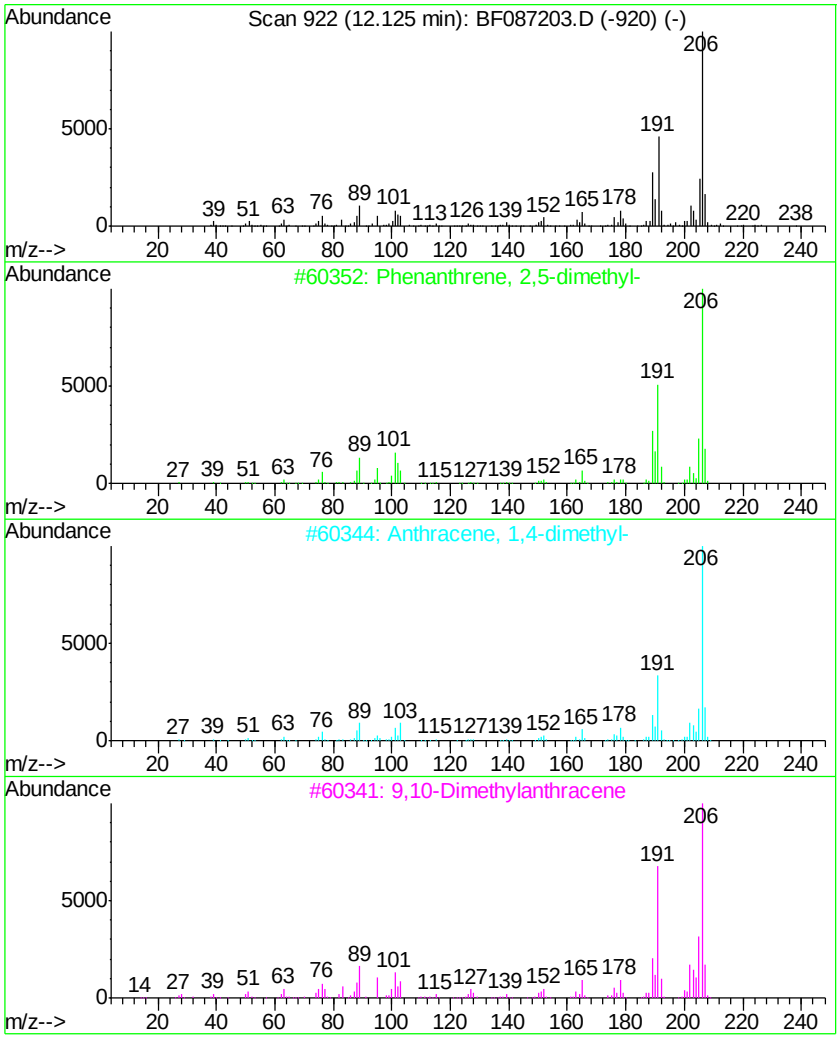
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

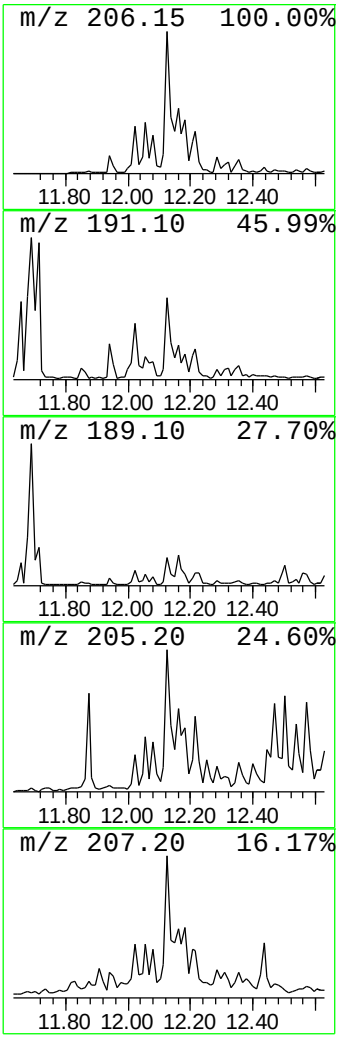
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.57 ng	624672	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

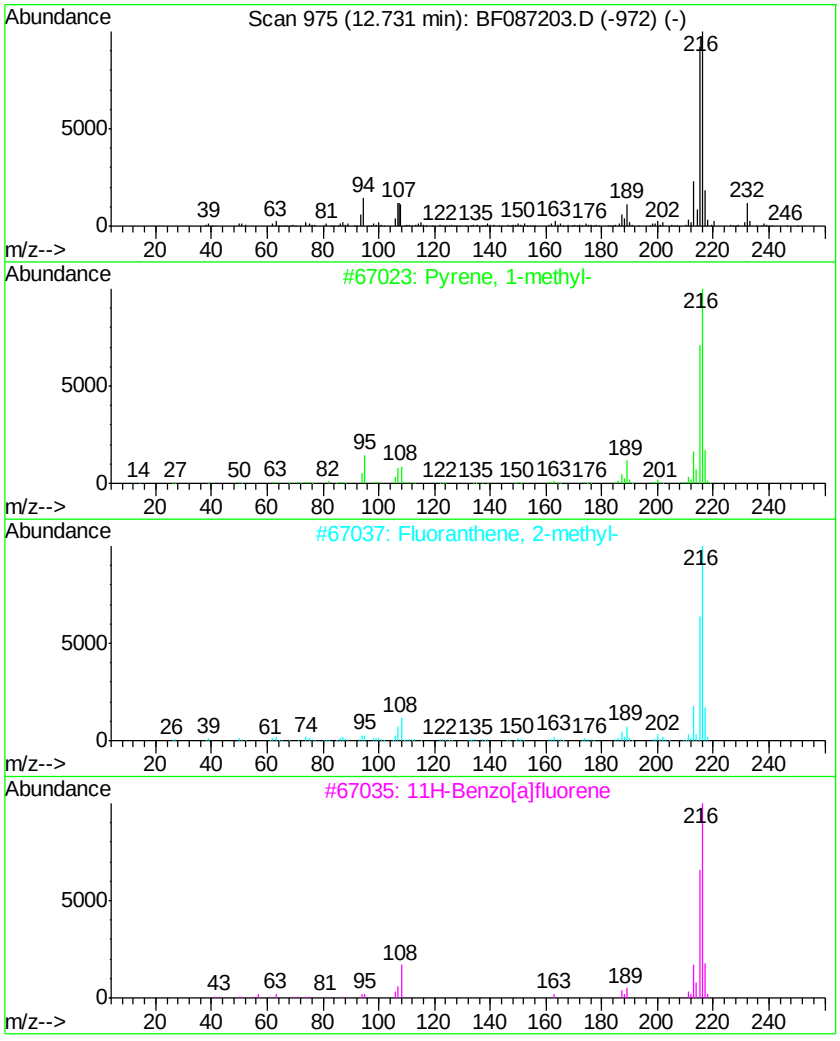
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

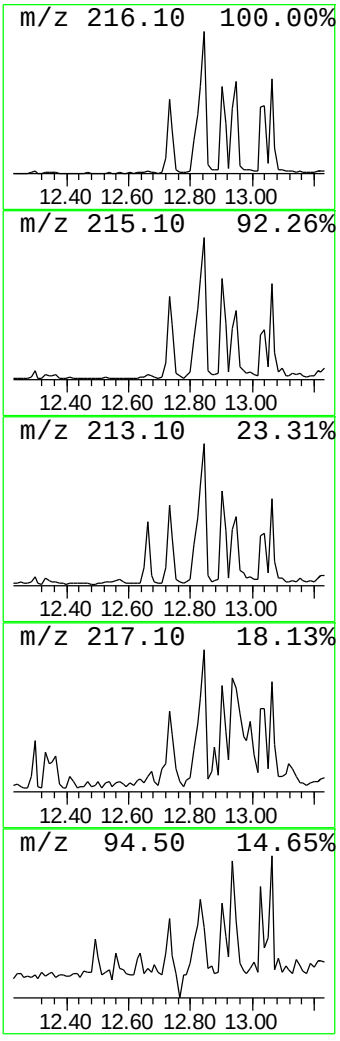
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	3.72 ng	557968	Chrysene-d12	13.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

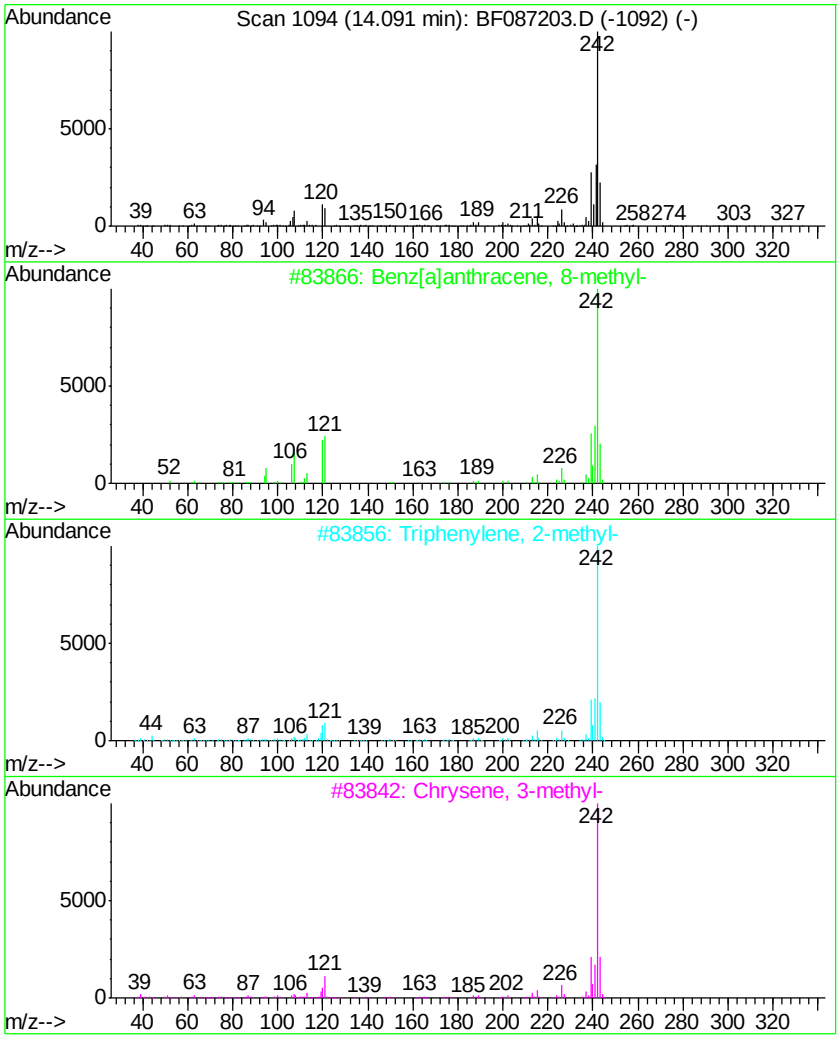
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

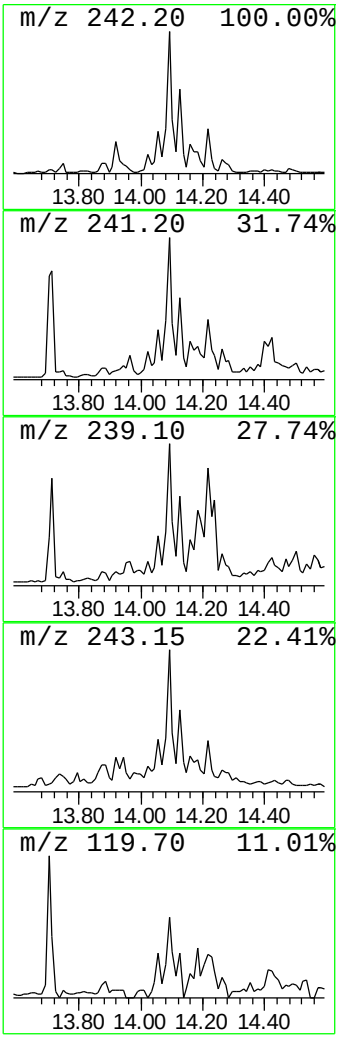
****

Peak Number 14 Benz[a]anthracene, 8-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	3.62 ng	543725	Chrysene-d12	13.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	97
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

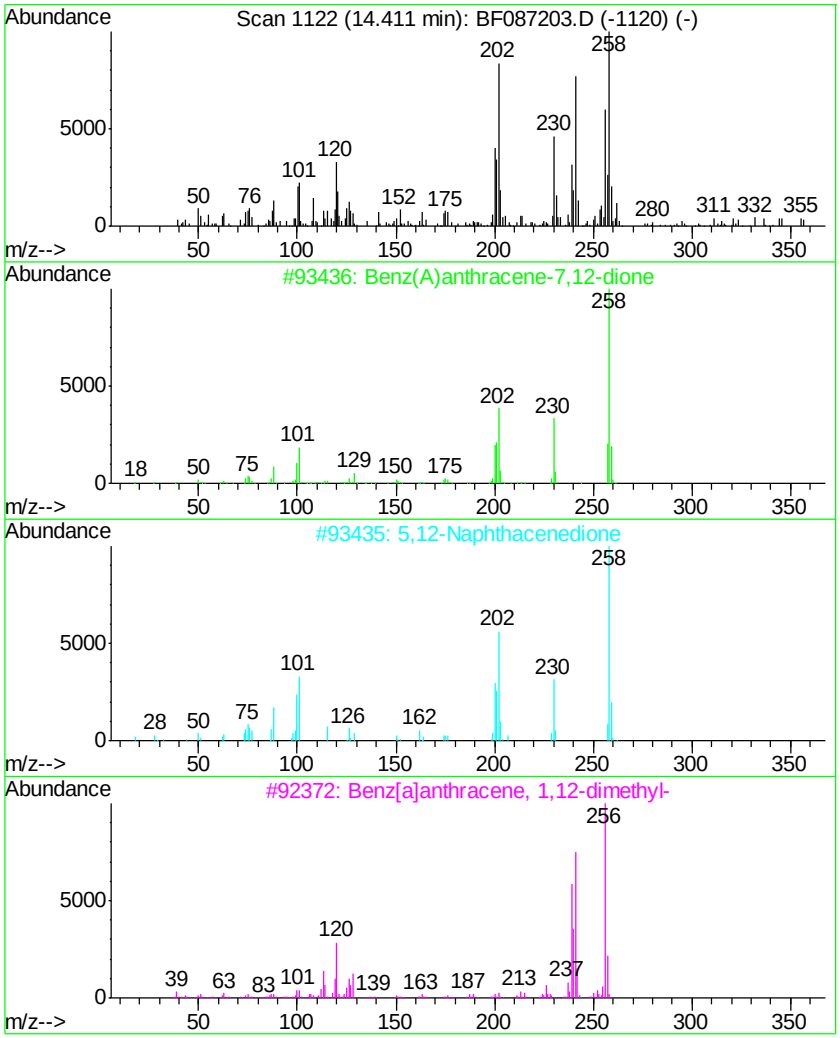
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

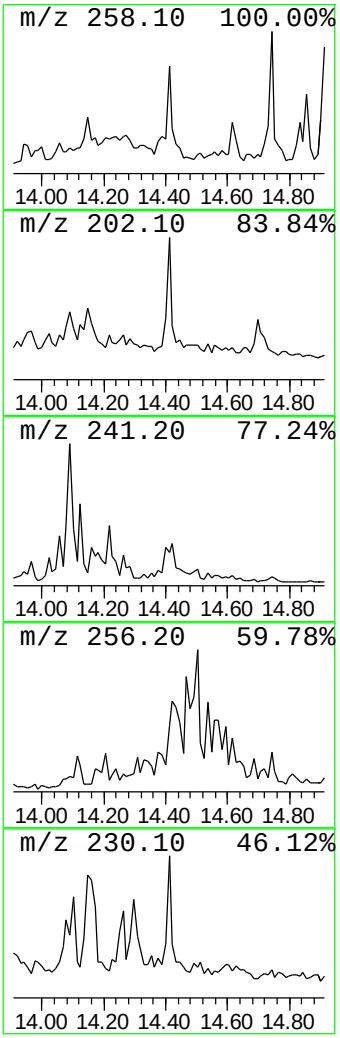
****

Peak Number 15 Benz(A)anthracene-7,12-dione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	6.18 ng	206193	Perylene-d12	15.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	89
3	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	46
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	38
5	5,7-Dimethyl-6-phenyl-1,3-diazaa...	258	C16H22N2O	1000216-37-9	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

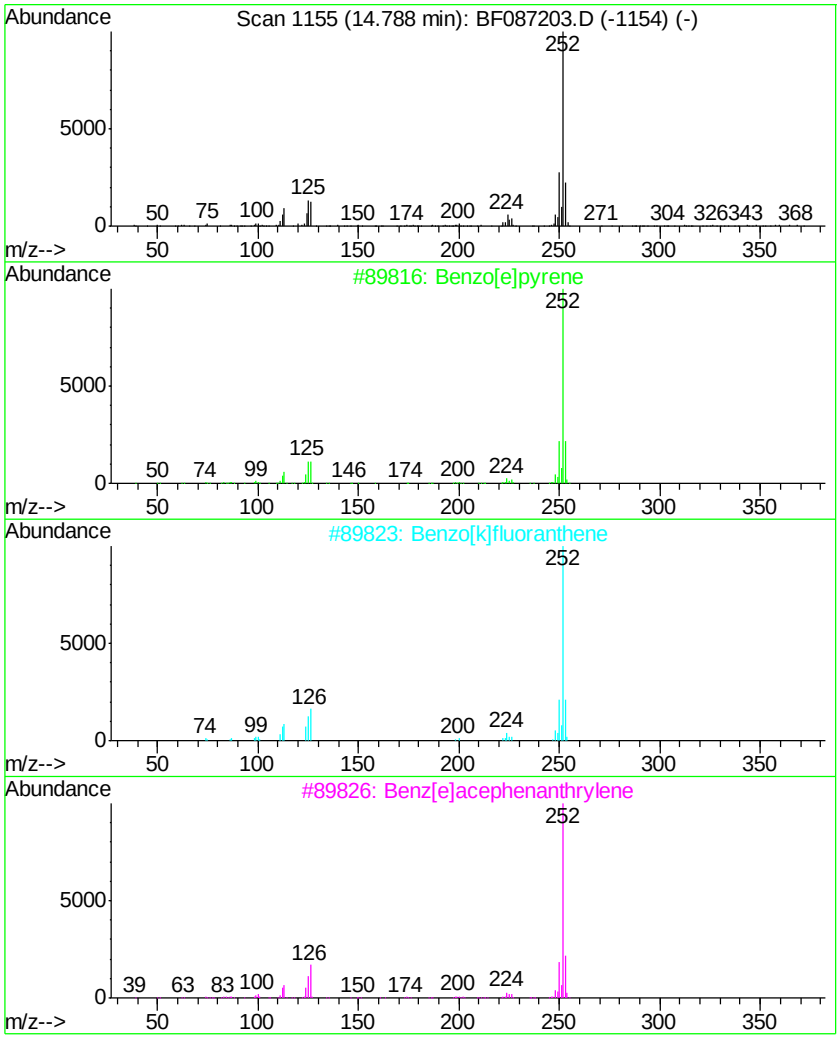
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

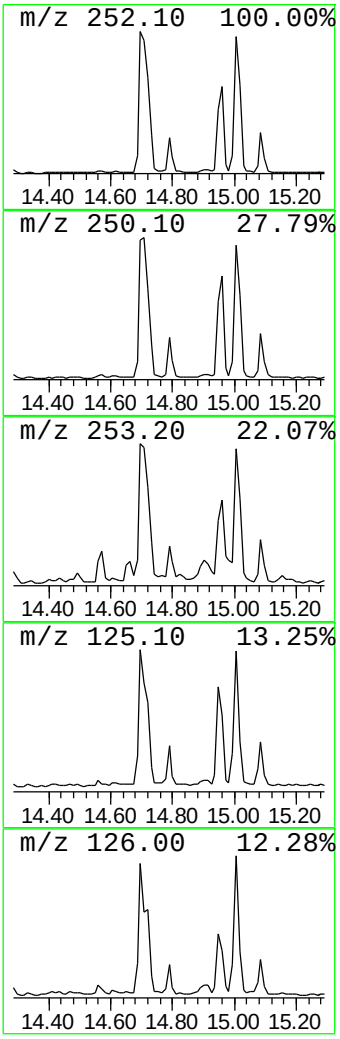
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	5.44 ng	181509	Perylene-d12	15.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

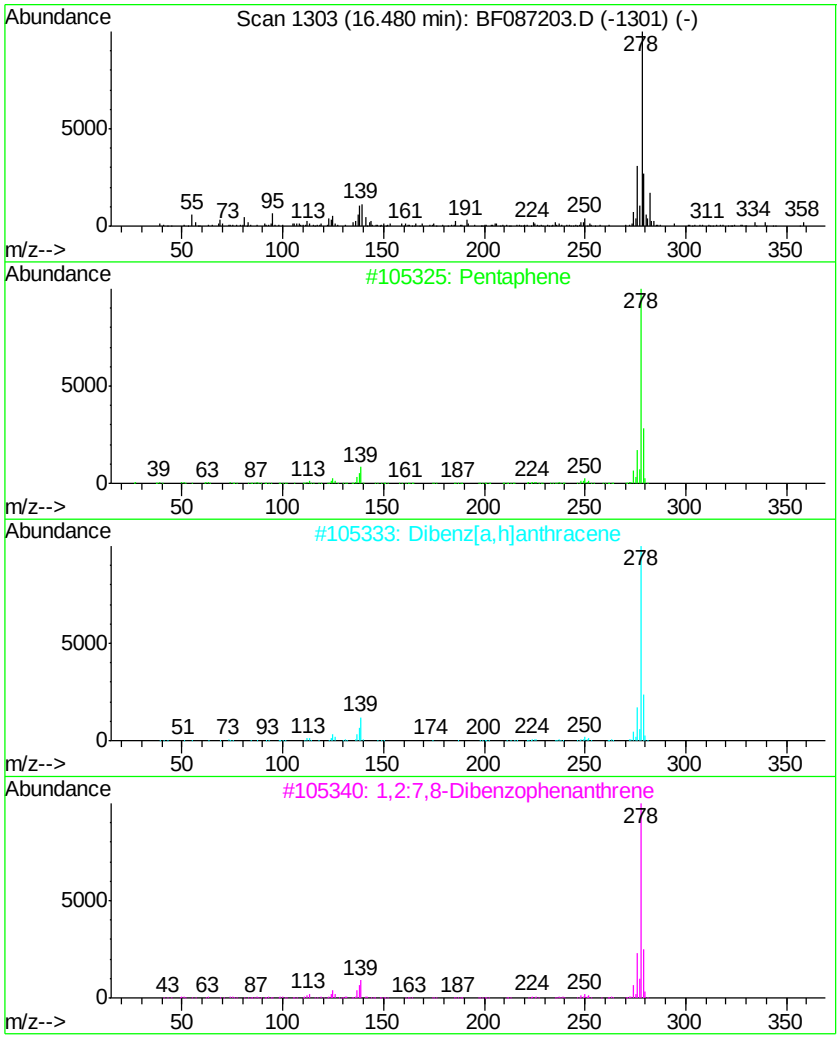
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

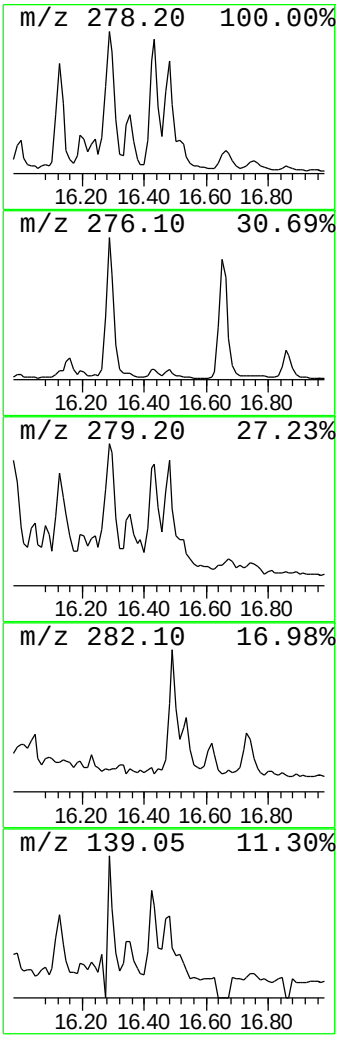
****

Peak Number 18 Pentaphene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	4.33 ng	144511	Perylene-d12	15.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
4	Pentacene	278	C22H14	000135-48-8	89
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	89





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

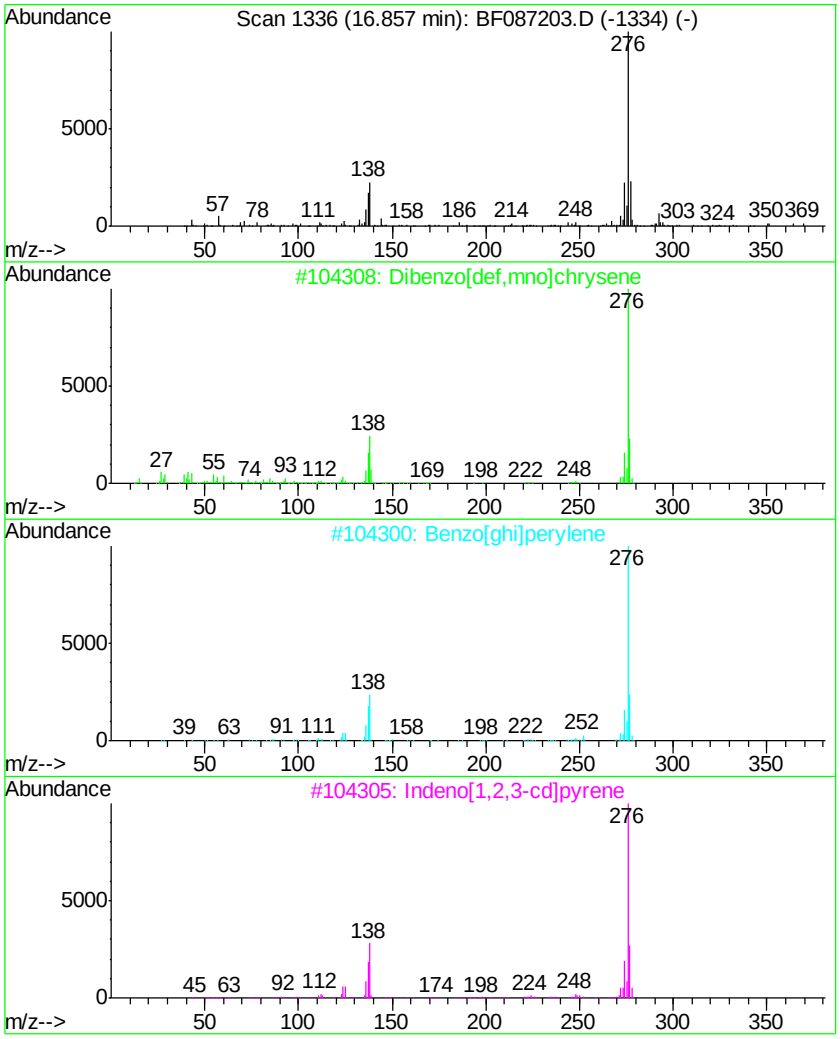
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

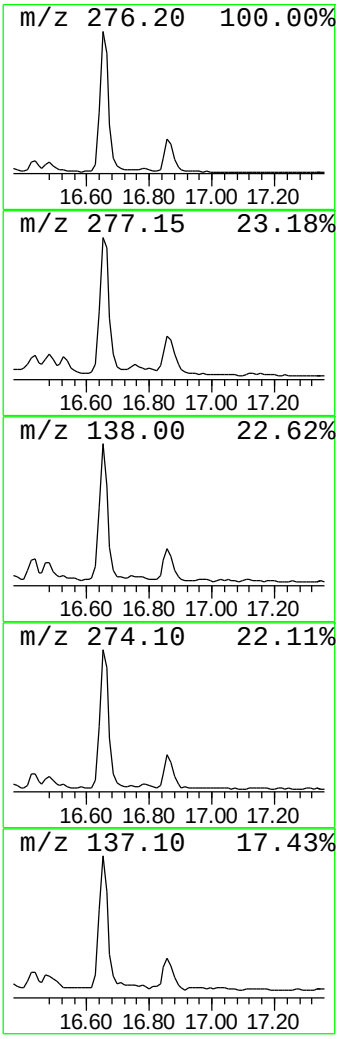
****

Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	6.98 ng	232853	Perylene-d12	15.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

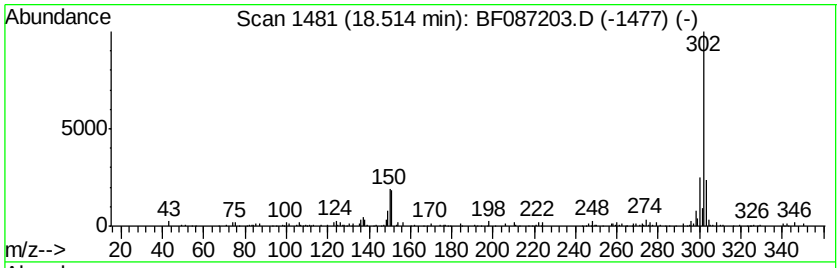
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

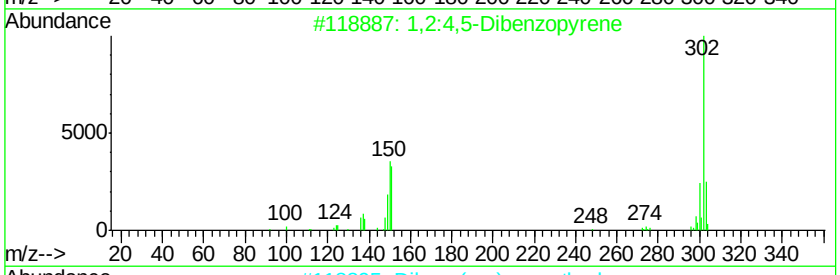
****

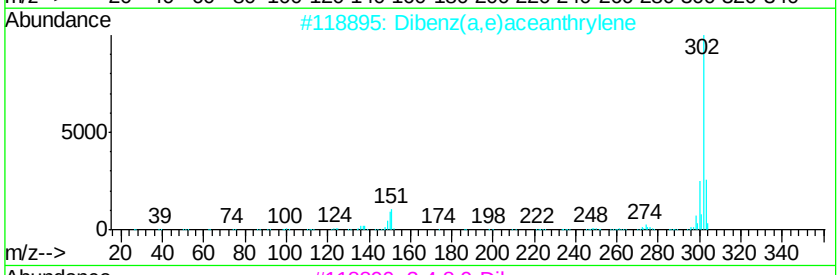
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 7

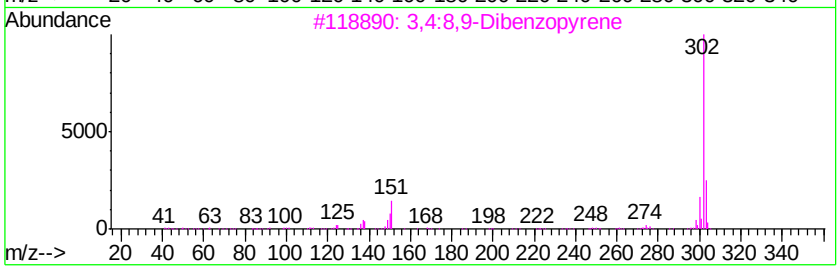
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	6.63 ng	221116	Perylene-d12	15.06

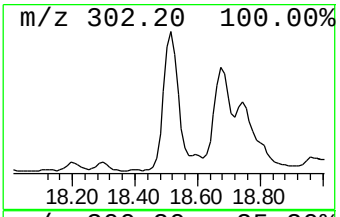
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90
4	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70
5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	64

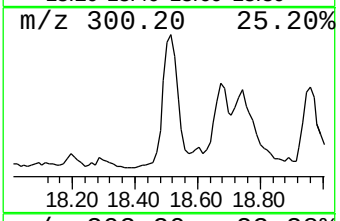


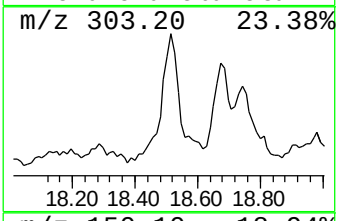


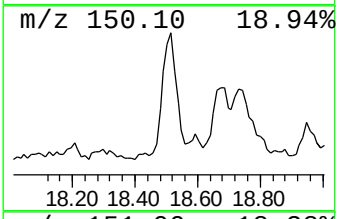


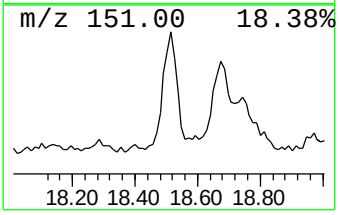












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087203.D
Acq On : 19 May 2016 23:03
Operator : UM/SJ
Sample : H3132-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FB-BWR-BB-R10-C5-2(0-19FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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...	4.70	64.3	ng	3085500	1	6.57	960014	20.0
2-Pentanone, 4-me...	5.55	5.8	ng	276115	1	6.57	960014	20.0
unknown6.34	6.34	99.3	ng	4766820	1	6.57	960014	20.0
unknown10.26	10.26	3.3	ng	222334	3	9.60	1333990	20.0
Phenanthrene, 2-m...	11.58	3.6	ng	628688	4	11.07	3502860	20.0
4H-Cyclopenta[def...	11.69	9.0	ng	1571290	4	11.07	3502860	20.0
Phenanthrene, 2,5...	12.13	3.6	ng	624672	4	11.07	3502860	20.0
Pyrene, 1-methyl-	12.73	3.7	ng	557968	5	13.71	3001590	20.0
Benz[a]anthracene...	14.09	3.6	ng	543725	5	13.71	3001590	20.0
Benz(A)anthracene...	14.41	6.2	ng	206193	6	15.06	667255	20.0
Benzo[e]pyrene	14.79	5.4	ng	181509	6	15.06	667255	20.0
Pentaphene	16.48	4.3	ng	144511	6	15.06	667255	20.0
Dibenzo[def,mno]c...	16.86	7.0	ng	232853	6	15.06	667255	20.0
1,2:4,5-Dibenzopy...	18.51	6.6	ng	221116	6	15.06	667255	20.0