LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

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-BF050217.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	4.390	413	417	430	rVB3	25794	51987	2.31%	0.302%
2	5.119	538	541	563	rBV	202677	396815	17.60%	2.304%
3	5.643	626	630	645	rBV2	11673	25206	1.12%	0.146%
4	5.754	645	649	671	rBV	525736	1202545	53.35%	6.984%
5	6.013	689	693	700	rVB	24700	33851	1.50%	0.197%
6	7.319	911	915	932	rBV	743155	1374440	60.98%	7.982%
7	7.442	932	936	946	rVV	1183621	1761283	78.14%	10.228%
8	7.519	946	949	956	rVB	39486	51411	2.28%	0.299%
9	7.778	989	993	1004	rBV	399744	499576	22.16%	2.901%
10	8.013	1029	1033	1050	rVB	1283527	1558562	69.14%	9.051%
11	8.678	1141	1146	1161	rBV	723585	1056451	46.87%	6.135%
12	8.789	1162	1165	1177	rVB6	18994	35751	1.59%	0.208%
13	9.795	1331	1336	1340	rBV	490280	628615	27.89%	3.651%
14	9.866	1346	1348	1355	rVB3	20745	29722	1.32%	0.173%
15	10.583	1465	1470	1476	rBV	21611	24830	1.10%	0.144%
16	10.960	1529	1534	1542	rBV	63359	89862	3.99%	0.522%
17	11.113	1555	1560	1567	rBV	49469	73804	3.27%	0.429%
18	11.566	1632	1637	1657	rBV	1870409	2254101	100.00%	13.090%
19	12.095	1723	1727	1732	rBV2	31461	47713	2.12%	0.277%
20	12.142	1732	1735	1741	rVB	24951	35188	1.56%	0.204%
21	12.260	1750	1755	1760	rBV	138134	211936	9.40%	1.231%
22	12.301	1760	1762	1766	rVB3	36099	45269	2.01%	0.263%
23	12.413	1775	1781	1789	rBV5	14071	25395	1.13%	0.147%
24	12.624	1813	1817	1827	rBV2	529886	717783	31.84%	4.168%
25	13.171	1906	1910	1915	rVB3	17486	24502	1.09%	0.142%
26	13.460	1954	1959	1963	rBV	39975	44870	1.99%	0.261%
27	13.524	1963	1970	1978	rVB4	26187	40570	1.80%	0.236%
28	13.824	2018	2021	2025	rVB3	19486	24443	1.08%	0.142%
29	13.924	2033	2038	2049	rBV	552956	882844	39.17%	5.127%
30	14.230	2086	2090	2092	rBV	35298	42941	1.91%	0.249%
31	14.260	2092	2095	2099	rVB2	52174	69386	3.08%	0.403%
32	14.965	2211	2215	2218	rBV2	32444	38177	1.69%	0.222%
33	15.030	2219	2226	2231	rVV	424825	567592	25.18%	3.296%
34	15.071	2231	2233	2240	rVB	45256	54937	2.44%	0.319%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.624	2321	2327	2332	rVB2	23075	29815	1.32%	0.173%
36	15.860	2363	2367	2376	rVB2	17693	32478	1.44%	0.189%
37	15.983	2381	2388	2398	rBV6	48105	114672	5.09%	0.666%
38	16.218	2424	2428	2430	rBV2	17883	23321	1.03%	0.135%
39	16.812	2526	2529	2534	rBV	49079	58881	2.61%	0.342%
40	17.118	2576	2581	2589	rVB	51345	76902	3.41%	0.447%
41	17.348	2615	2620	2630	rVB	1191863	1379388	61.19%	8.011%
42	17.730	2678	2685	2688	rBV3	17646	29497	1.31%	0.171%
43	18.595	2828	2832	2836	rBV6	15604	22972	1.02%	0.133%
44	18.701	2845	2850	2863	rBV	396870	589983	26.17%	3.426%
45	18.995	2895	2900	2903	rBV6	18170	23710	1.05%	0.138%
46	19.977	3062	3067	3069	rBV2	43115	61406	2.72%	0.357%
47	20.265	3114	3116	3122	rVB	31074	42301	1.88%	0.246%
48	20.324	3122	3126	3130	rBV	38686	57124	2.53%	0.332%
49	20.371	3130	3134	3143	rVV2	359747	494513	21.94%	2.872%
50	20.453	3146	3148	3154	rVB6	21107	27385	1.21%	0.159%
51	21.271	3283	3287	3296	rBV10	21861	52983	2.35%	0.308%
52	21.783	3370	3374	3380	rVB9	42061	79863	3.54%	0.464%

Sum of corrected areas: 17219552

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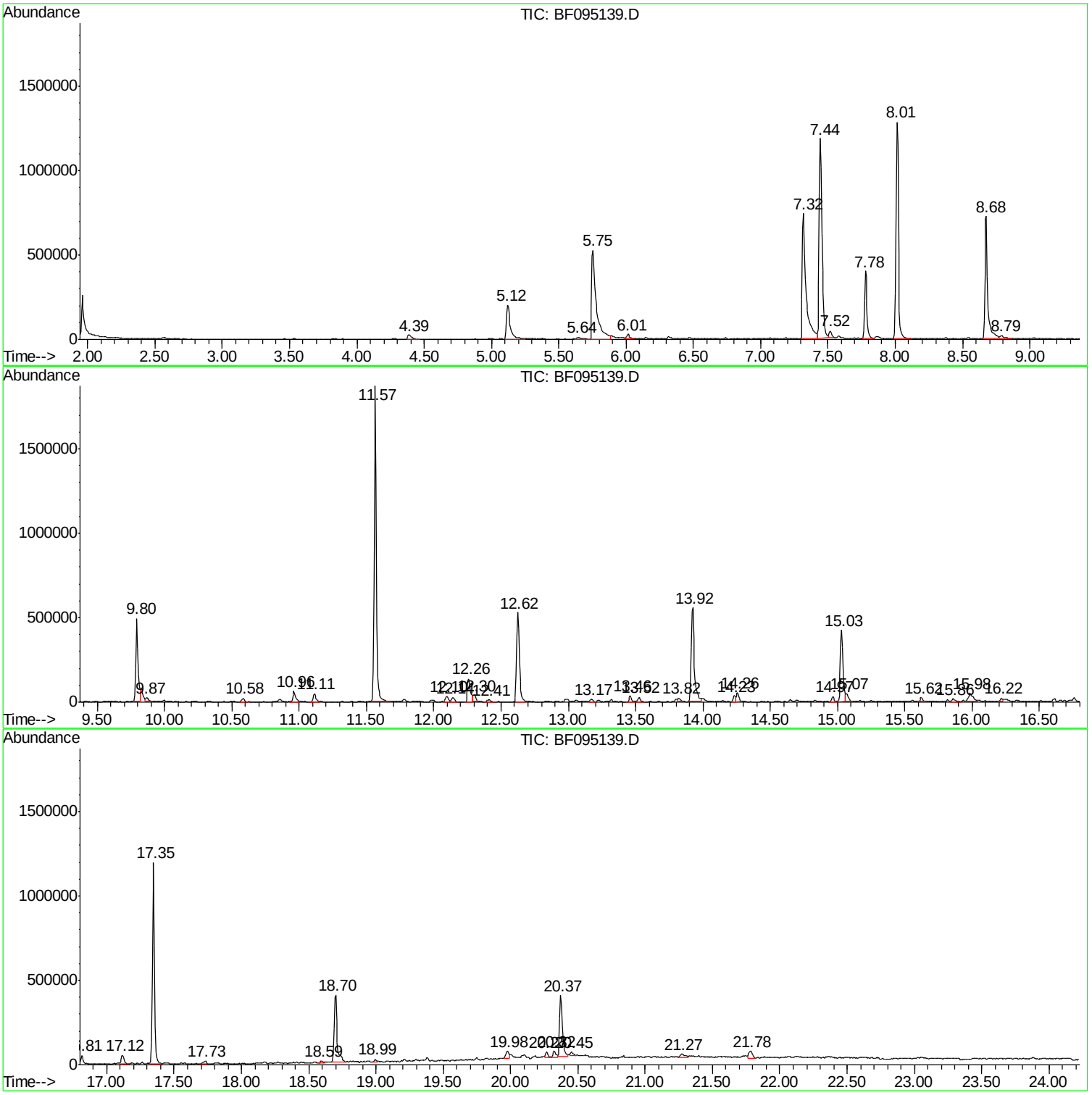
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

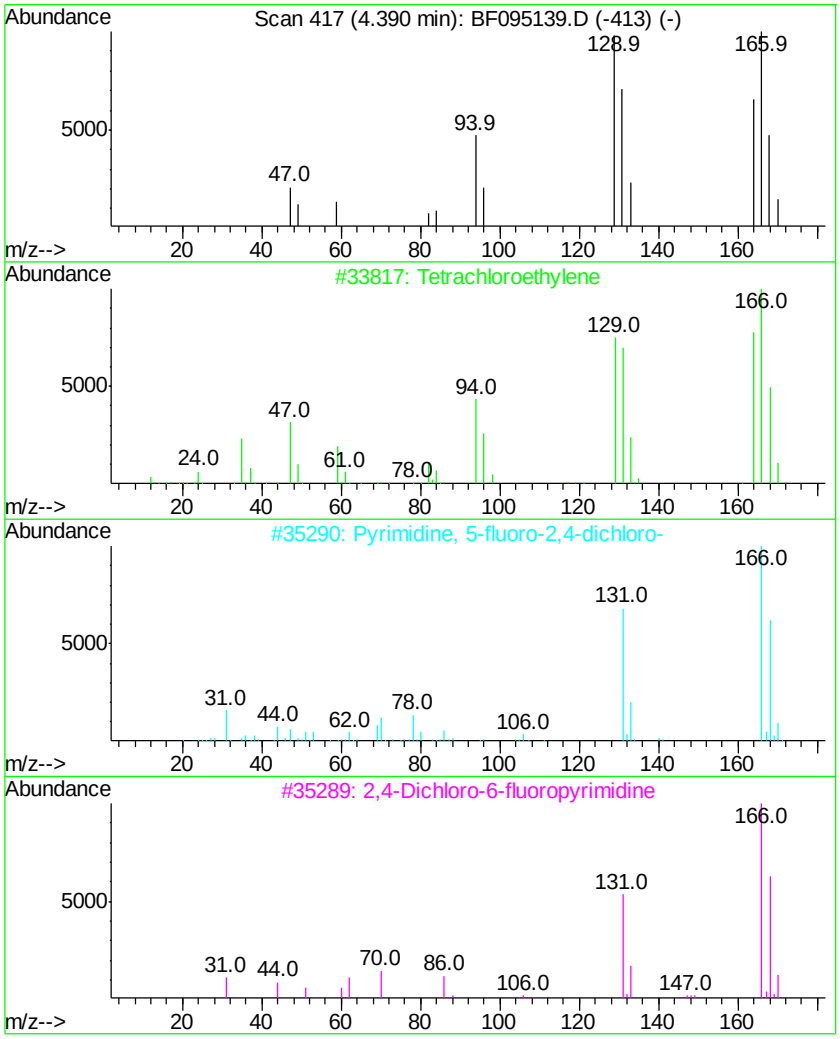
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

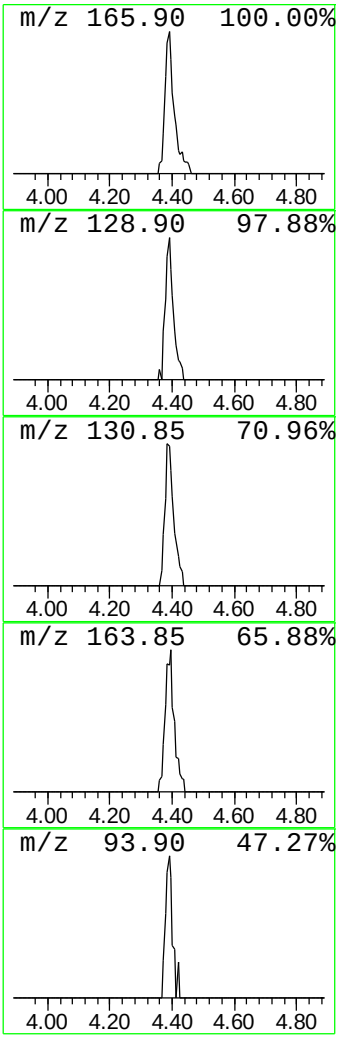
****

Peak Number 1 Tetrachloroethylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	2.08 ng	51987	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	95
2	Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	43
3	2,4-Dichloro-6-fluoropyrimidine	166	C4HCl2FN2	003833-57-6	25
4	4,6-Dichloro-2-fluoropyrimidine	166	C4HCl2FN2	003824-45-1	9
5	1-Propene, 2-chloro-1,1,3,3,3-pe...	166	C3ClF5	002804-50-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

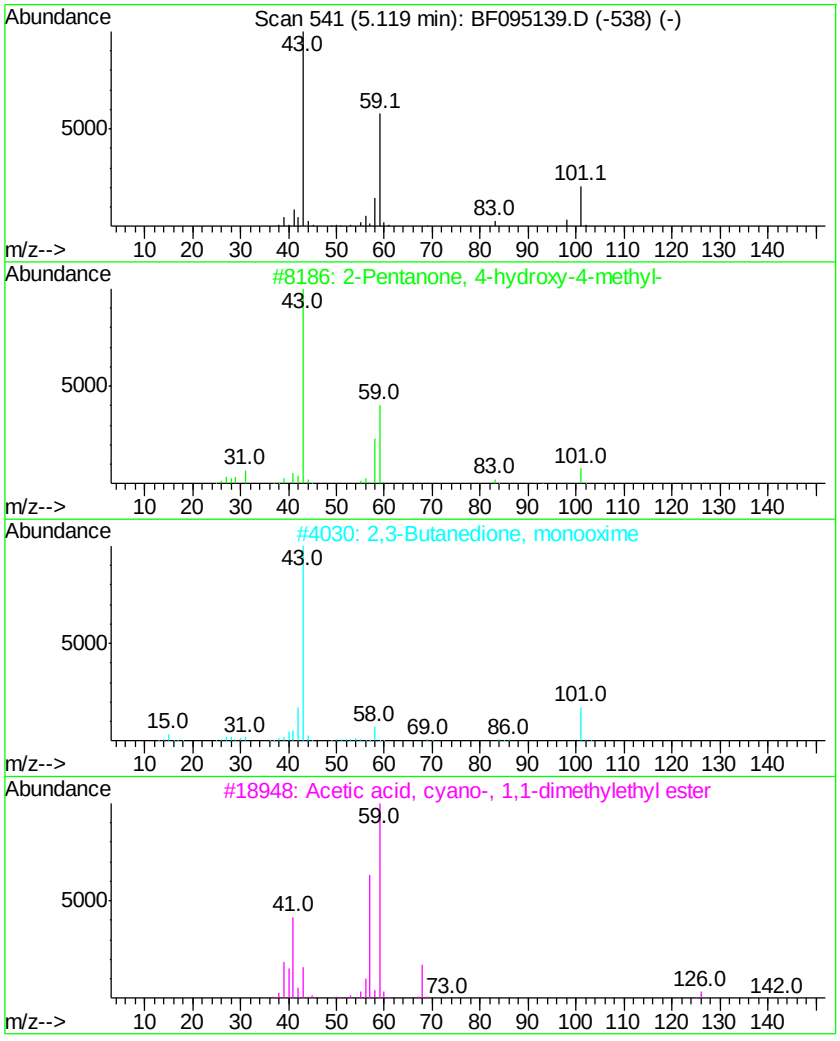
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

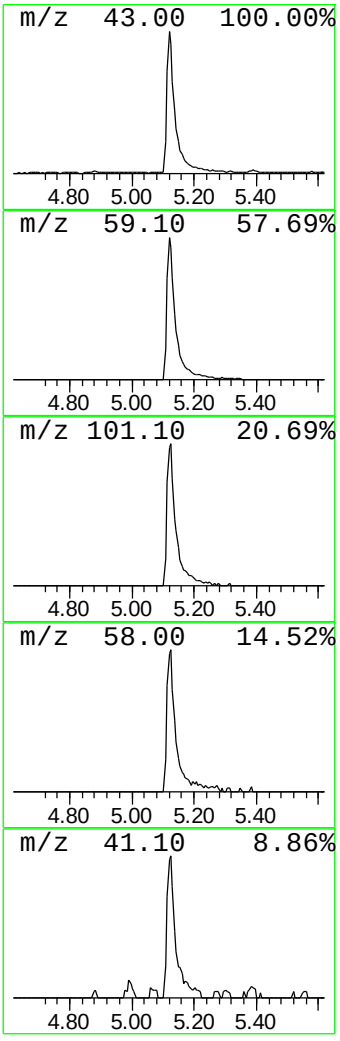
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	15.89 ng	396815	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

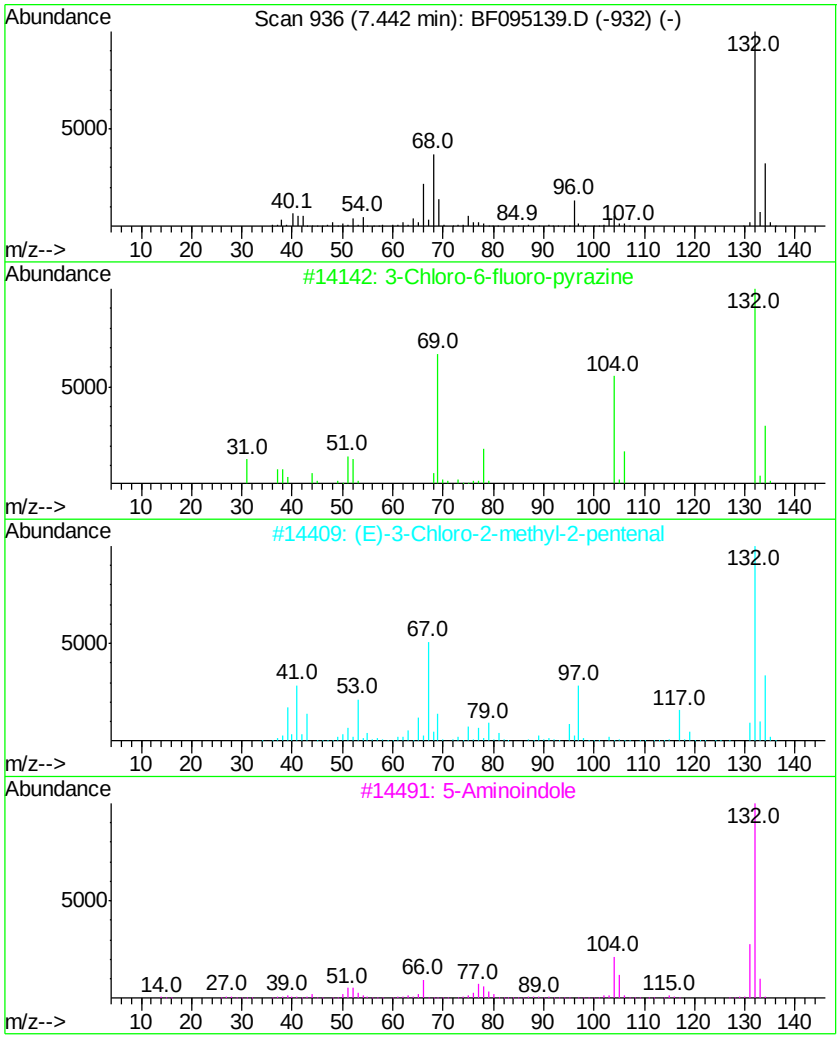
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

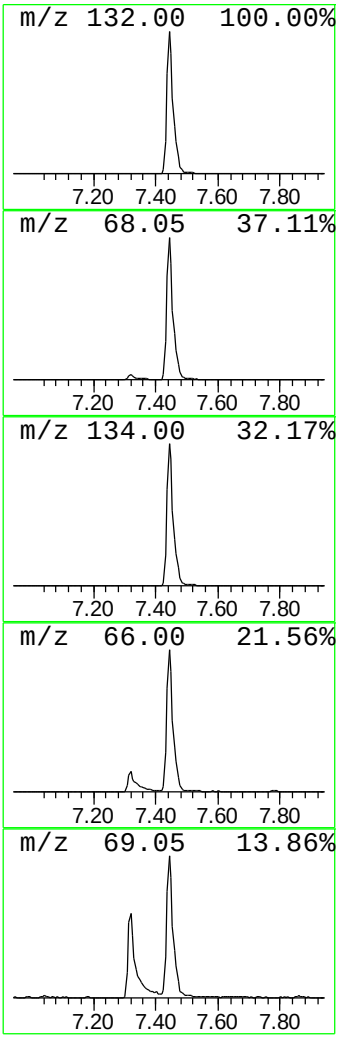
****

Peak Number 3 unknown7.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	70.51 ng	1761280	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

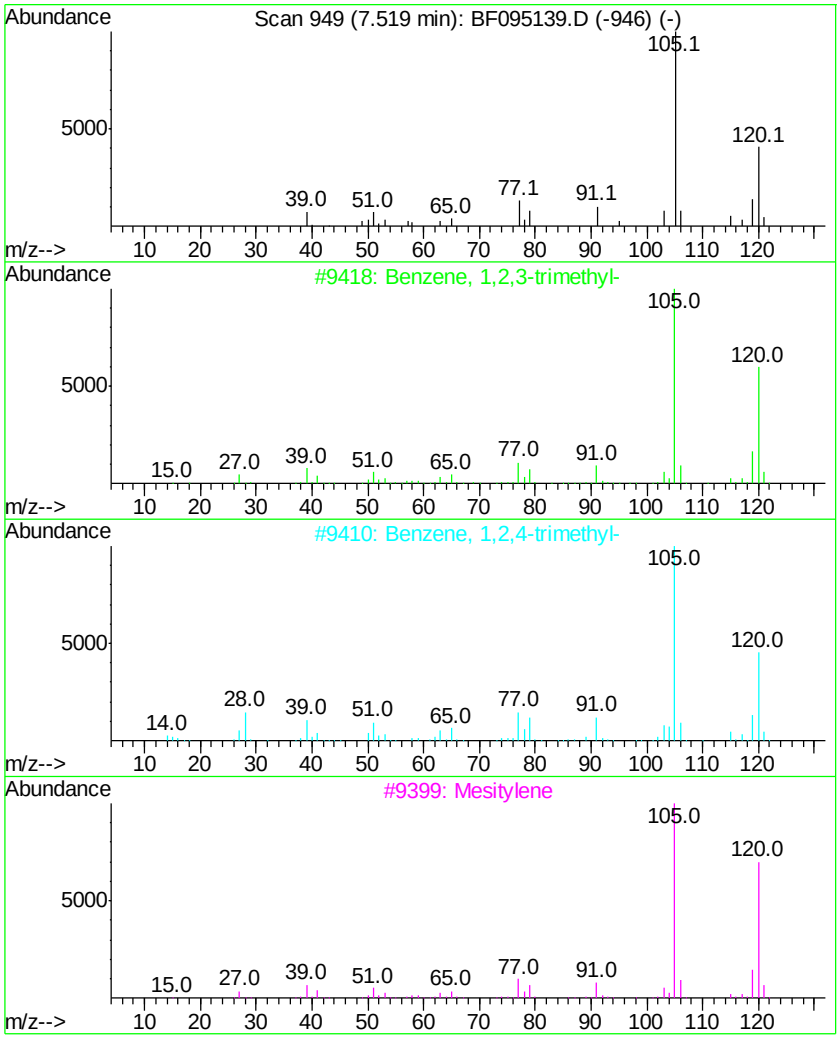
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

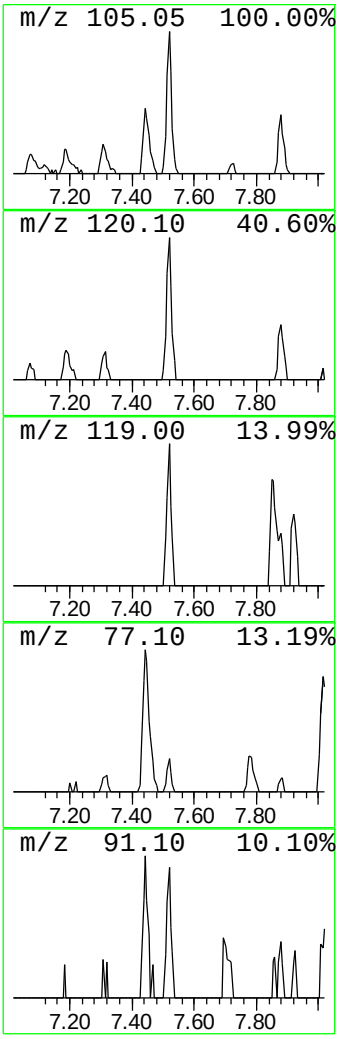
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	2.06 ng	51411	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

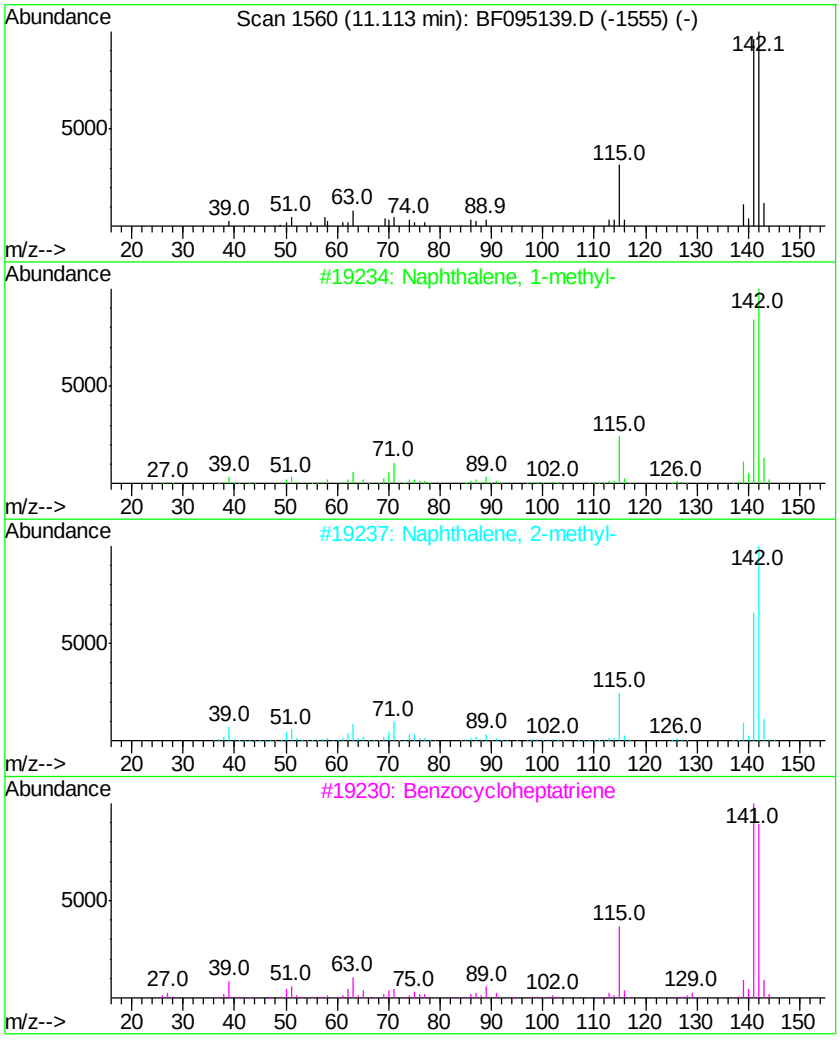
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

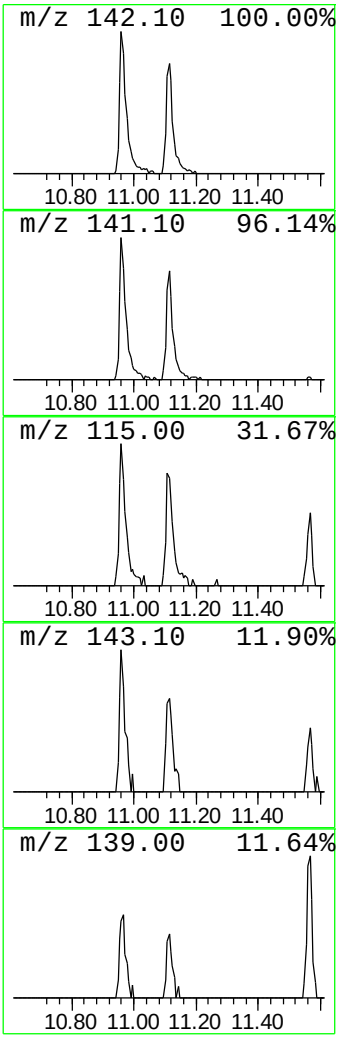
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	2.35 ng	73804	Naphthalene-d8	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	64
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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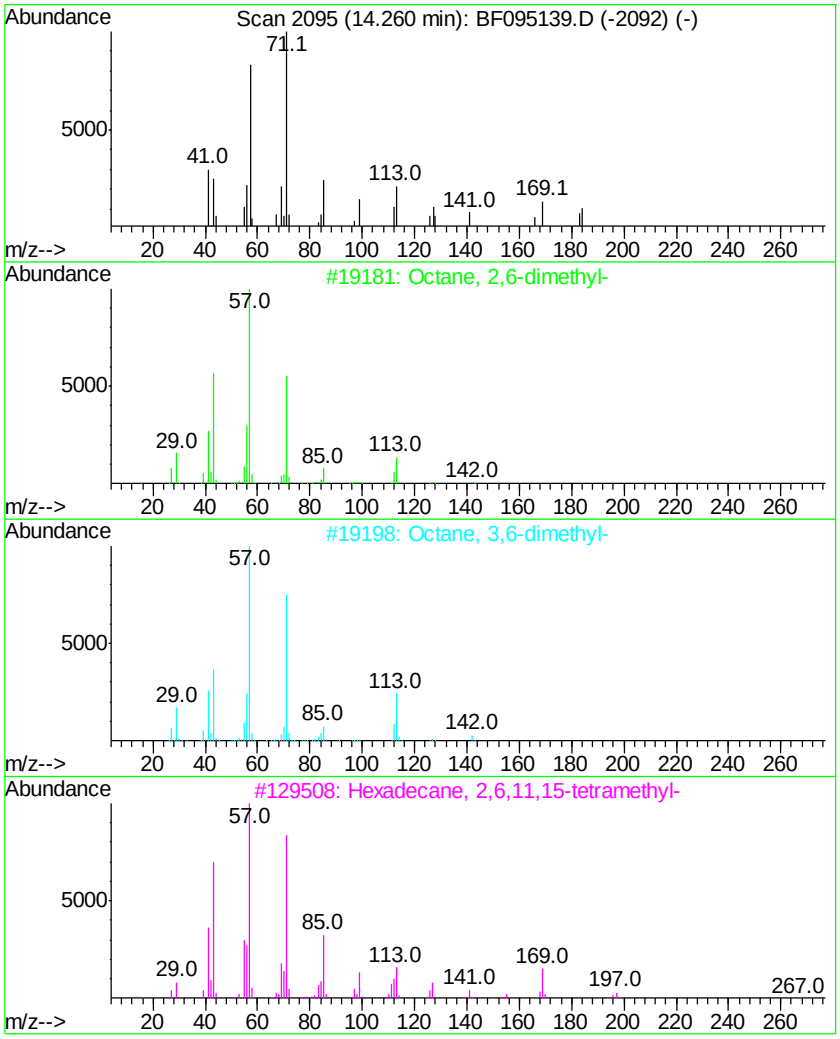
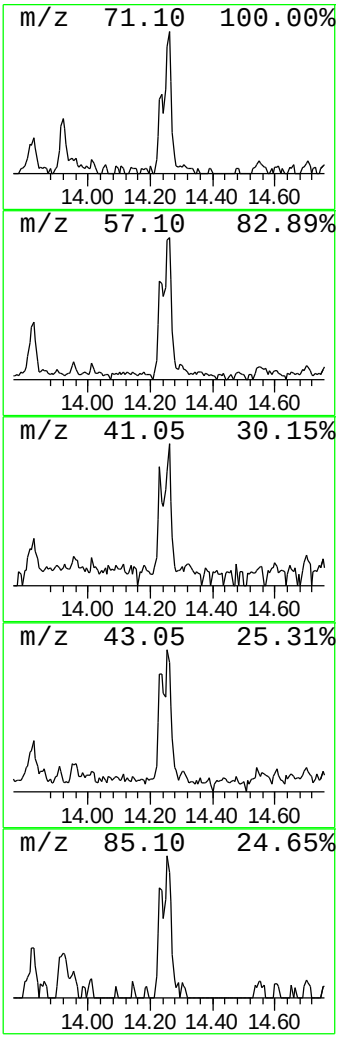
Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.44 ng	69386	Phenanthrene-d10	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	53
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	53





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Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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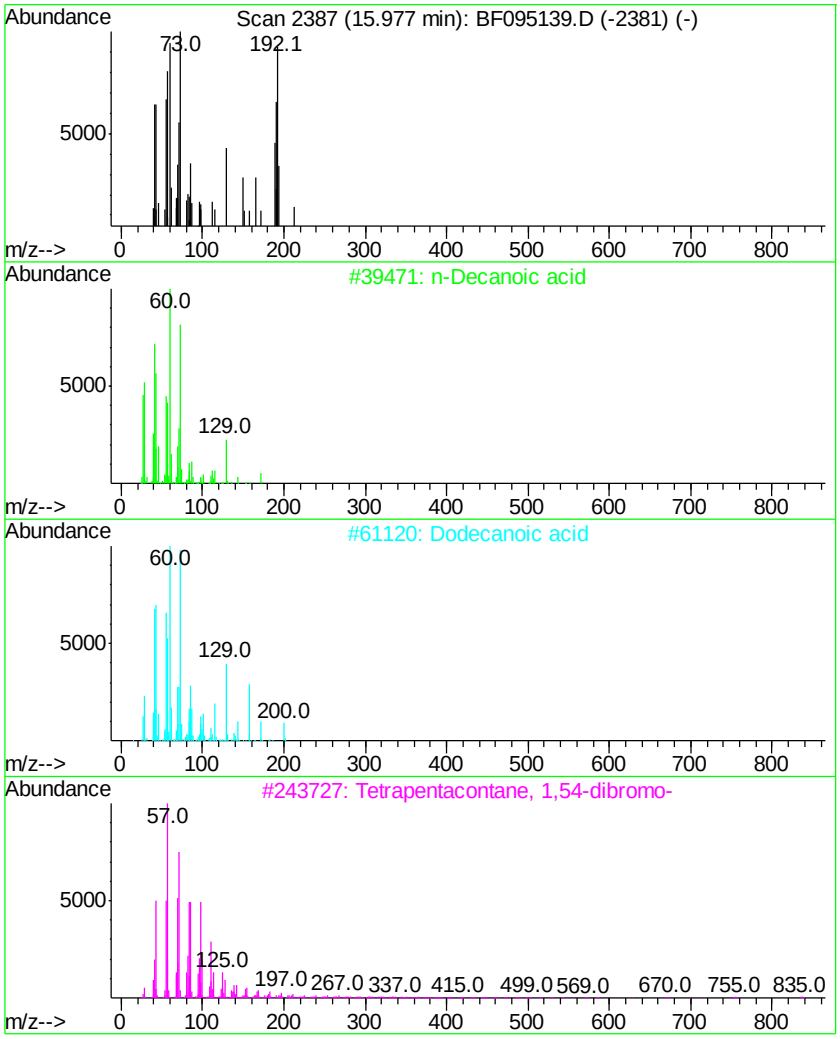
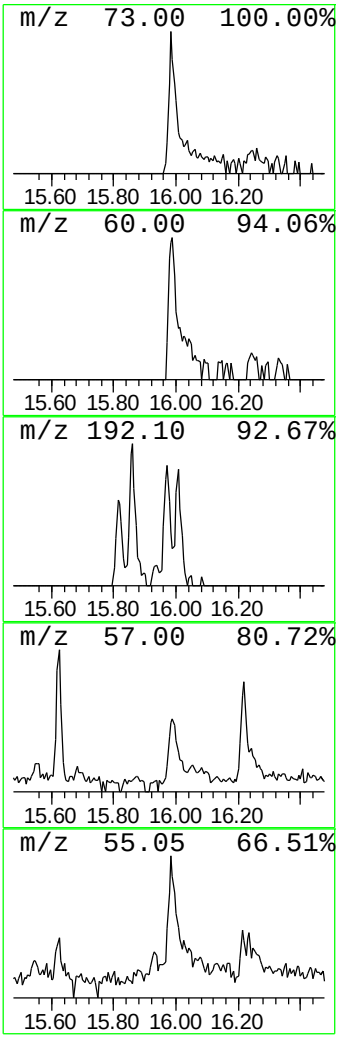
Peak Number 8 unknown15.98 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	4.04 ng	114672	Phenanthrene-d10	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	27
2	Dodecanoic acid	200	C12H24O2	000143-07-7	27
3	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	18
4	Undecane, 5-ethyl-	184	C13H28	017453-94-0	10
5	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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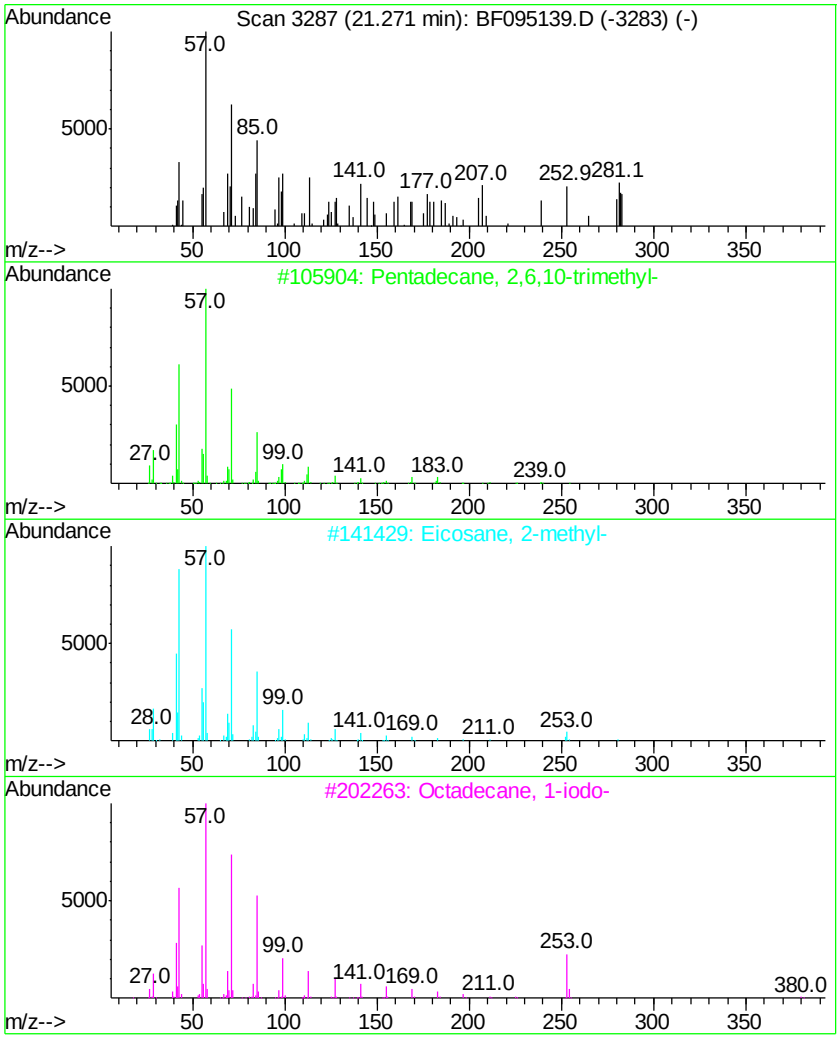
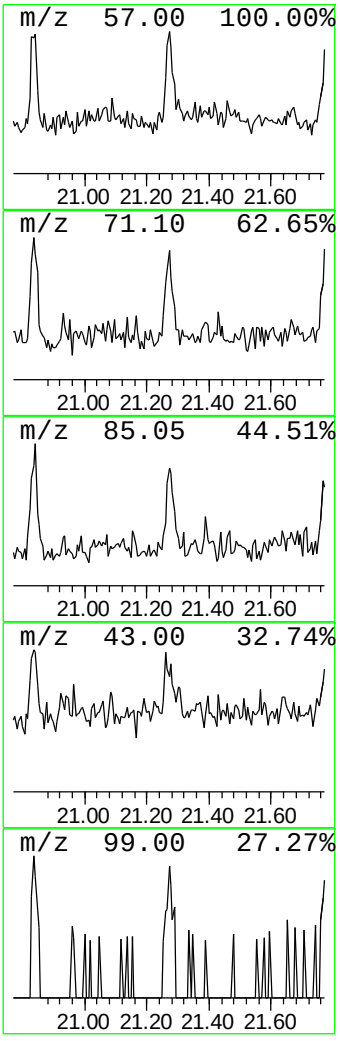
Peak Number 10 unknown21.27 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	2.14 ng	52983	Perylene-d12	20.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	35
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	35
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	35
4	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	27
5	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

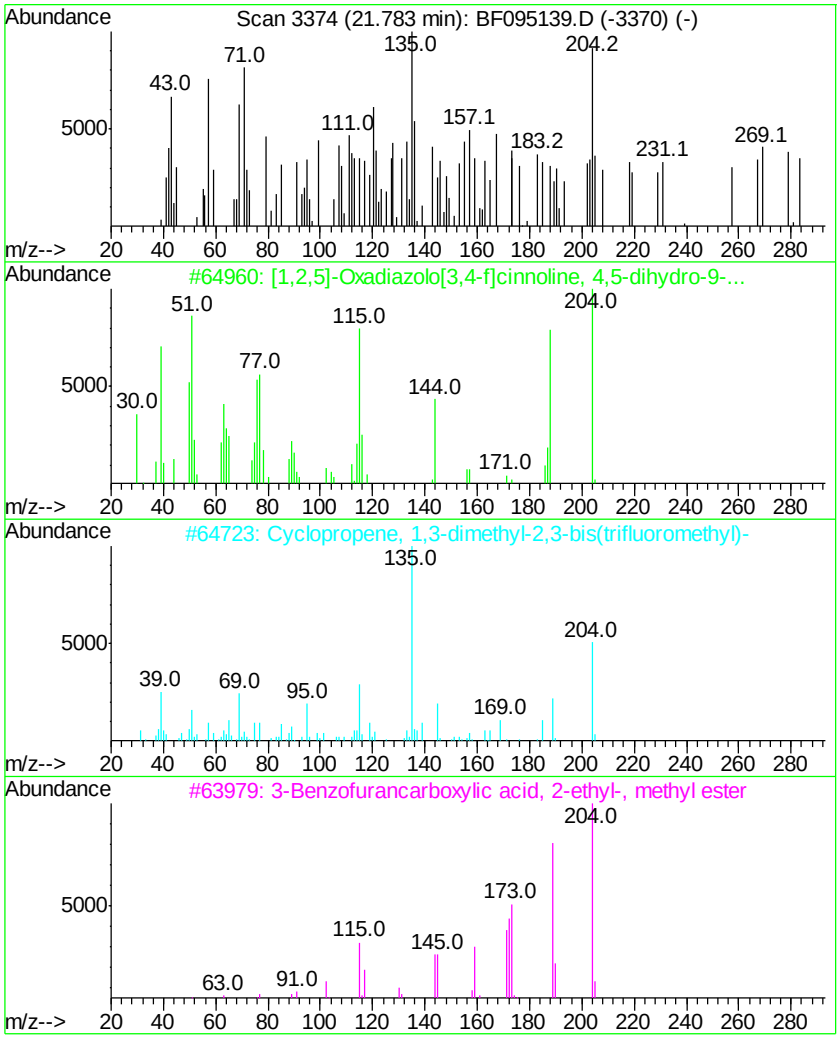
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

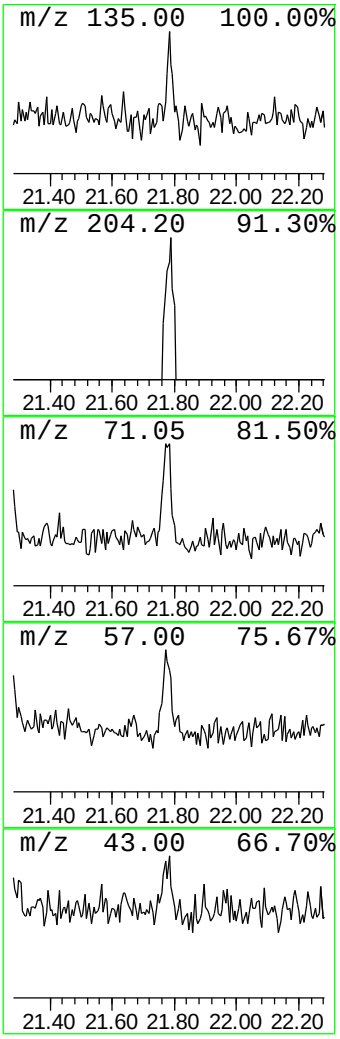
****

Peak Number 11 unknown21.78 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.78	3.23 ng	79863	Perylene-d12	20.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,2,5]-Oxadiazolo[3,4-f]cinnoli...	204	C9H8N4O2	302604-99-5	15
2	Cyclopropene, 1,3-dimethyl-2,3-b...	204	C7H6F6	054932-73-9	12
3	3-Benzofurancarboxylic acid, 2-e...	204	C12H12O3	040800-94-0	11
4	Indole, 6-nitro-2,3,5-trimethyl-	204	C11H12N2O2	053918-82-4	11
5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095139.D
Acq On : 15 May 2017 22:28
Operator : SJ/MA
Sample : I3140-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7-7.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Tetrachloroethylene	4.39	2.1	ng	51987	1	7.78	499576	20.0
2-Pentanone, 4-hy...	5.12	15.9	ng	396815	1	7.78	499576	20.0
unknown7.44	7.44	70.5	ng	1761280	1	7.78	499576	20.0
Benzene, 1,2,3-tr...	7.52	2.1	ng	51411	1	7.78	499576	20.0
Naphthalene, 1-me...	11.11	2.4	ng	73804	2	9.80	628615	20.0
Octane, 2,6-dimet...	14.26	2.4	ng	69386	4	15.03	567592	20.0
unknown15.98	15.98	4.0	ng	114672	4	15.03	567592	20.0
unknown21.27	21.27	2.1	ng	52983	6	20.37	494513	20.0
unknown21.78	21.78	3.2	ng	79863	6	20.37	494513	20.0