LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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	5.125	538	542	563	rBV	86000	221626	9.79%	1.028%
2	5.725	640	644	674	rBV	877287	2000158	88.34%	9.277%
3	7.301	908	912	928	rBV	1044686	1913956	84.53%	8.877%
4	7.425	928	933	952	rVB	1364041	2264101	100.00%	10.501%
5	7.760	986	990	1001	rVB	403789	492678	21.76%	2.285%
6	7.995	1025	1030	1043	rBV	1324814	1659392	73.29%	7.696%
7	8.660	1138	1143	1160	rBV	674110	1160214	51.24%	5.381%
8	9.777	1329	1333	1354	rBV	376837	676040	29.86%	3.135%
9	11.548	1629	1634	1656	rBV	1448807	2119964	93.63%	9.832%
10	12.248	1750	1753	1769	rVB	92598	170713	7.54%	0.792%
11	12.395	1773	1778	1785	rBV	23878	37754	1.67%	0.175%
12	12.607	1810	1814	1831	rBV2	406602	685645	30.28%	3.180%
13	13.442	1952	1956	1959	rBV2	34413	37072	1.64%	0.172%
14	13.518	1965	1969	1979	rVB2	16016	29791	1.32%	0.138%
15	13.807	2011	2018	2028	rVB4	10058	26061	1.15%	0.121%
16	13.907	2030	2035	2056	rVV	581662	1008174	44.53%	4.676%
17	14.213	2083	2087	2090	rBV2	33831	40652	1.80%	0.189%
18	15.012	2216	2223	2227	rVV	369569	500364	22.10%	2.321%
19	15.054	2227	2230	2242	rVV	129424	204281	9.02%	0.947%
20	15.148	2242	2246	2254	rVV	38009	63195	2.79%	0.293%
21	15.801	2353	2357	2361	rBV	30848	37703	1.67%	0.175%
22	15.842	2361	2364	2371	rVB	33691	46899	2.07%	0.218%
23	15.948	2379	2382	2383	rBV	51656	50589	2.23%	0.235%
24	16.236	2427	2431	2437	rBV3	15068	25141	1.11%	0.117%
25	16.589	2487	2491	2495	rBV	38285	50986	2.25%	0.236%
26	16.636	2495	2499	2503	rVV3	21109	37588	1.66%	0.174%
27	16.712	2507	2512	2521	rVB5	18094	34756	1.54%	0.161%
28	16.795	2521	2526	2537	rBV	276802	377589	16.68%	1.751%
29	16.930	2545	2549	2555	rVB3	16702	25689	1.13%	0.119%
30	17.095	2573	2577	2584	rVV	358107	440951	19.48%	2.045%
31	17.330	2612	2617	2626	rVB	1283132	1529812	67.57%	7.095%
32	17.418	2626	2632	2637	rBV4	29162	54568	2.41%	0.253%
33	17.524	2647	2650	2653	rBV3	28308	45740	2.02%	0.212%
34	17.559	2653	2656	2662	rVB	59417	80127	3.54%	0.372%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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	17.648	2667	2671	2675	rVB	44761	52725	2.33%	0.245%
36	17.695	2675	2679	2685	rBV3	55756	95067	4.20%	0.441%
37	17.806	2695	2698	2703	rVV2	35891	41925	1.85%	0.194%
38	17.848	2703	2705	2712	rVB2	29023	38177	1.69%	0.177%
39	18.248	2771	2773	2777	rVV3	19916	22831	1.01%	0.106%
40	18.365	2788	2793	2795	rBV2	32372	45344	2.00%	0.210%
41	18.395	2795	2798	2801	rVB	40298	39723	1.75%	0.184%
42	18.424	2801	2803	2807	rBV	24896	30766	1.36%	0.143%
43	18.530	2817	2821	2825	rBV2	30360	42219	1.86%	0.196%
44	18.583	2825	2830	2834	rBV3	28777	54230	2.40%	0.252%
45	18.677	2841	2846	2851	rBV2	523988	873377	38.58%	4.051%
46	18.718	2851	2853	2864	rVB	186740	266576	11.77%	1.236%
47	18.812	2865	2869	2873	rVB3	37163	50150	2.22%	0.233%
48	18.912	2882	2886	2889	rBV5	18642	30212	1.33%	0.140%
49	18.971	2893	2896	2900	rVV3	29216	42963	1.90%	0.199%
50	19.018	2902	2904	2908	rVB3	22232	27246	1.20%	0.126%
51	19.189	2928	2933	2937	rBV	52978	81230	3.59%	0.377%
52	19.230	2937	2940	2943	rVB2	32008	37440	1.65%	0.174%
53	19.306	2945	2953	2956	rBV6	34445	76025	3.36%	0.353%
54	19.342	2956	2959	2961	rBV2	29278	36143	1.60%	0.168%
55	19.712	3013	3022	3027	rBV10	23149	68435	3.02%	0.317%
56	19.800	3033	3037	3039	rBV3	34431	44071	1.95%	0.204%
57	19.953	3059	3063	3066	rBV	205177	276851	12.23%	1.284%
58	20.071	3079	3083	3090	rBV3	31958	59400	2.62%	0.275%
59	20.247	3109	3113	3117	rBV	133599	157616	6.96%	0.731%
60	20.306	3120	3123	3128	rBV	157798	186523	8.24%	0.865%
61	20.359	3128	3132	3136	rBV	336631	417666	18.45%	1.937%
62	21.700	3355	3360	3373	rBV2	54938	136267	6.02%	0.632%
63	22.094	3422	3427	3434	rBV	36691	79739	3.52%	0.370%

Sum of corrected areas: 21560906

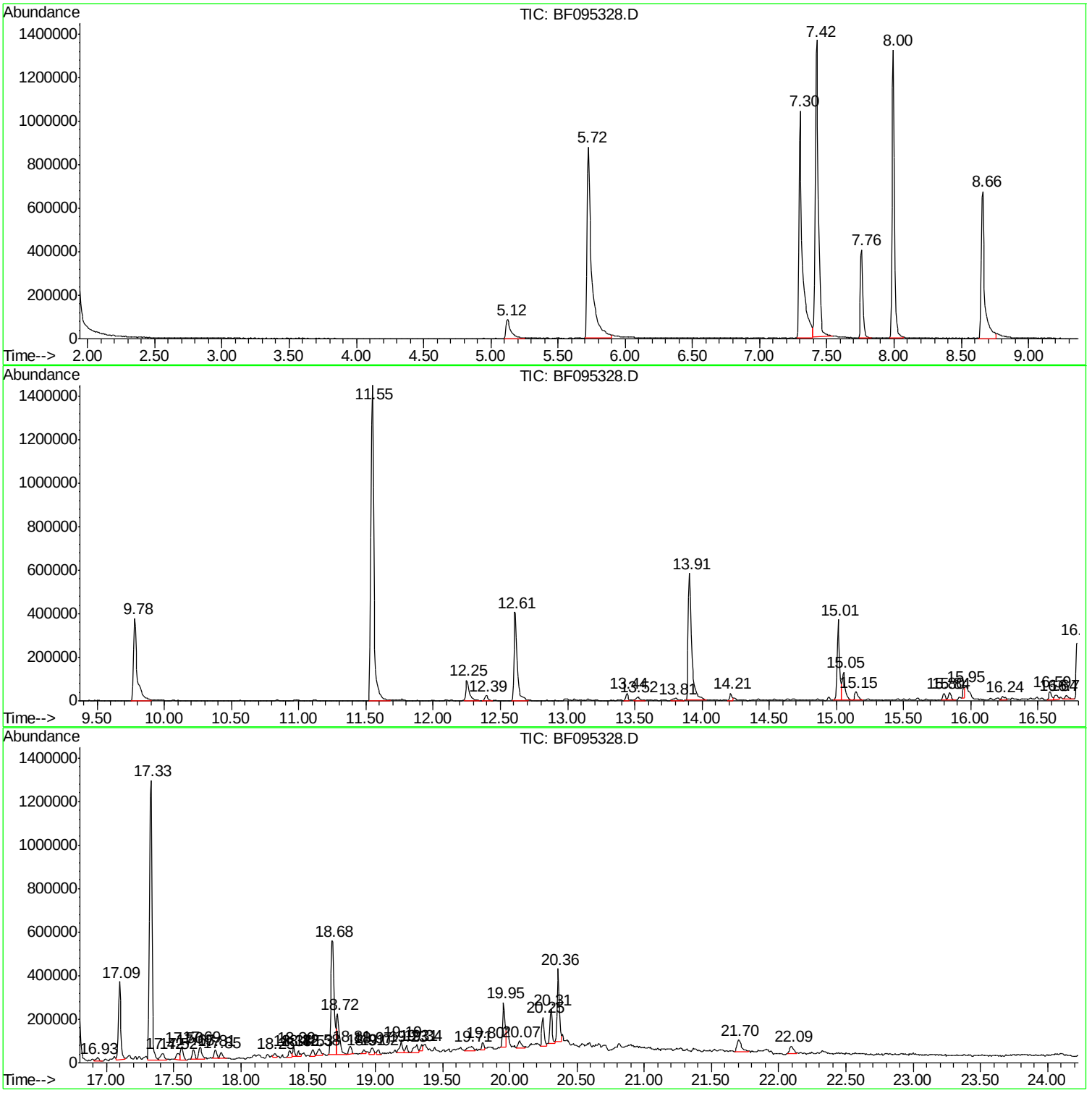
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
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Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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

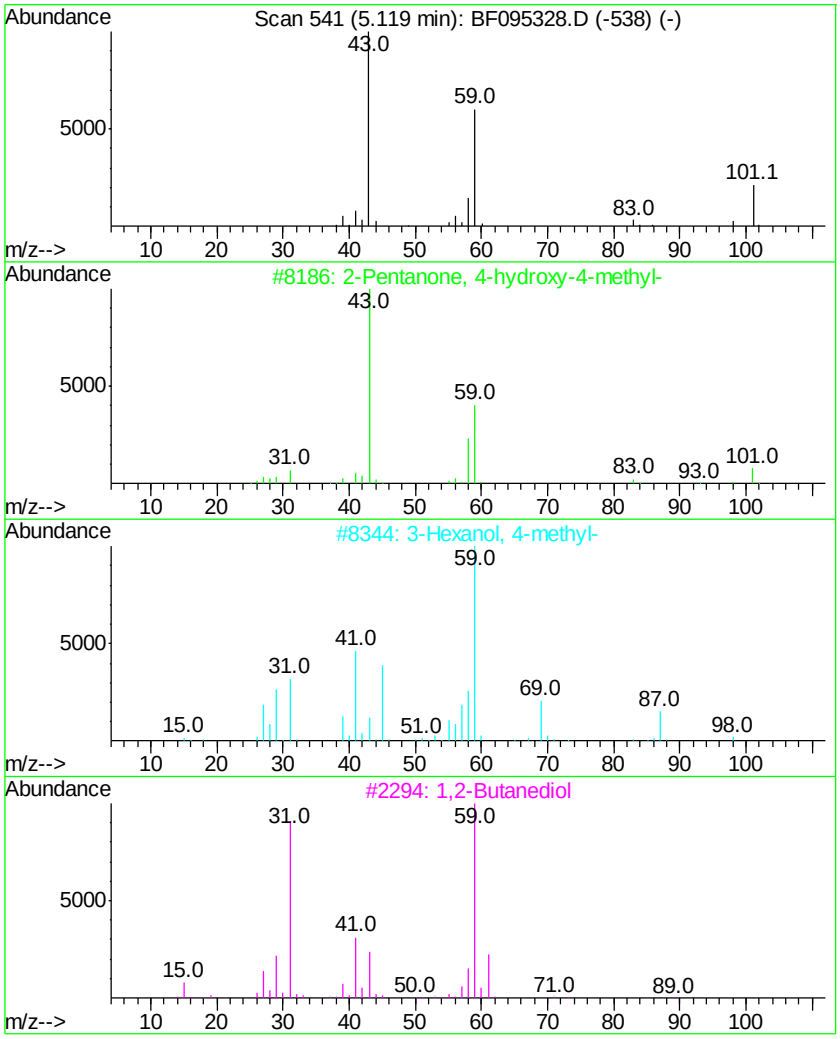
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

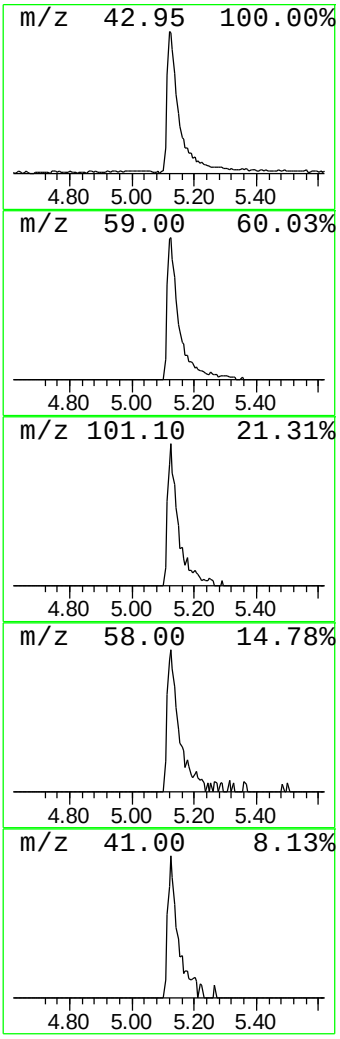
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	9.00 ng	221626	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
3	1,2-Butanediol	90	C4H10O2	000584-03-2	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W.P.RD-C.AVE(SP)

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

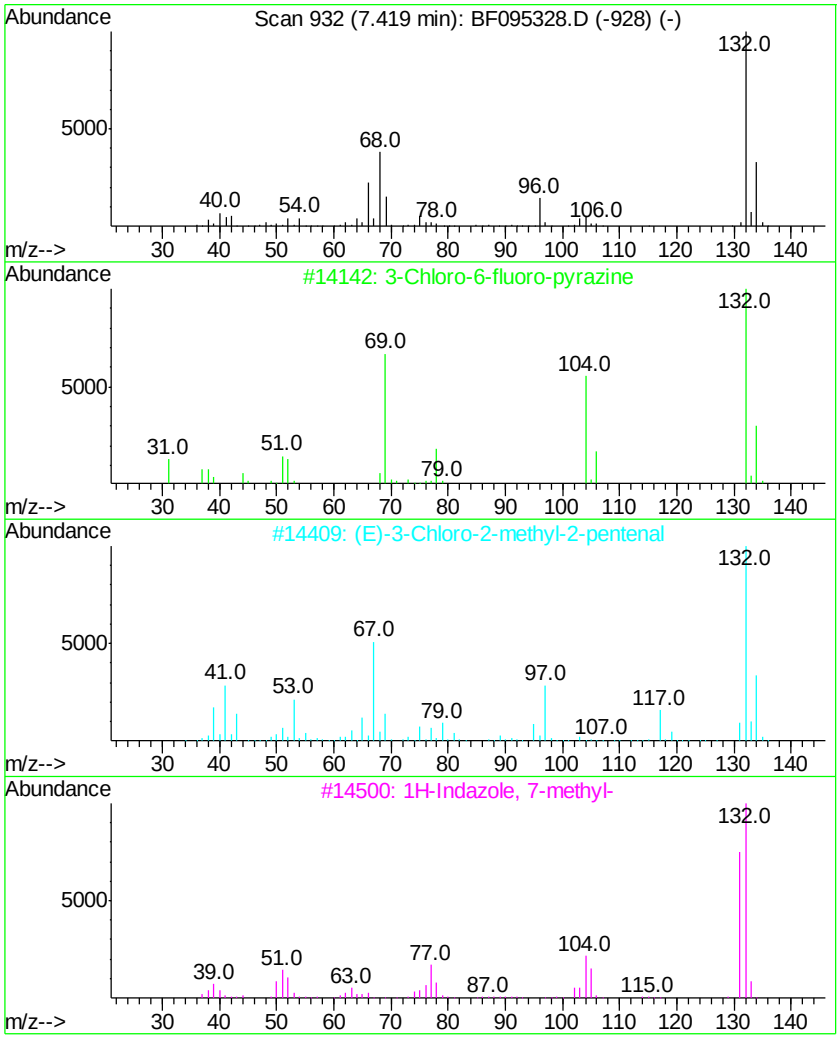
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

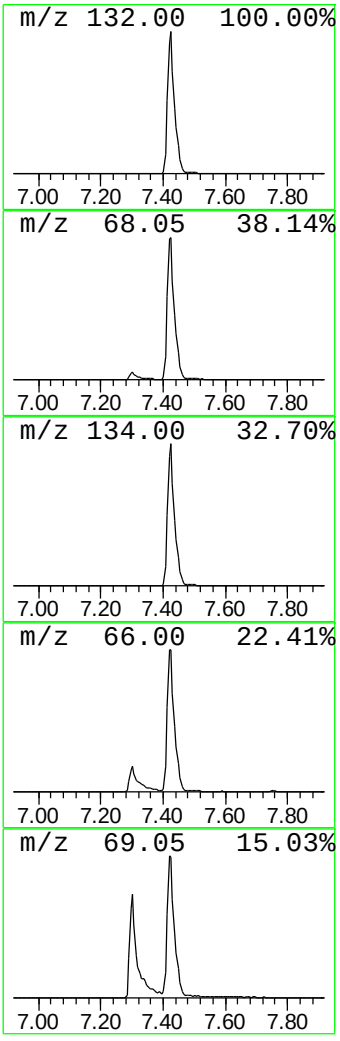
****

Peak Number 2 unknown7.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	91.91 ng	2264100	1,4-Dichlorobenzene-d4	7.76

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	35
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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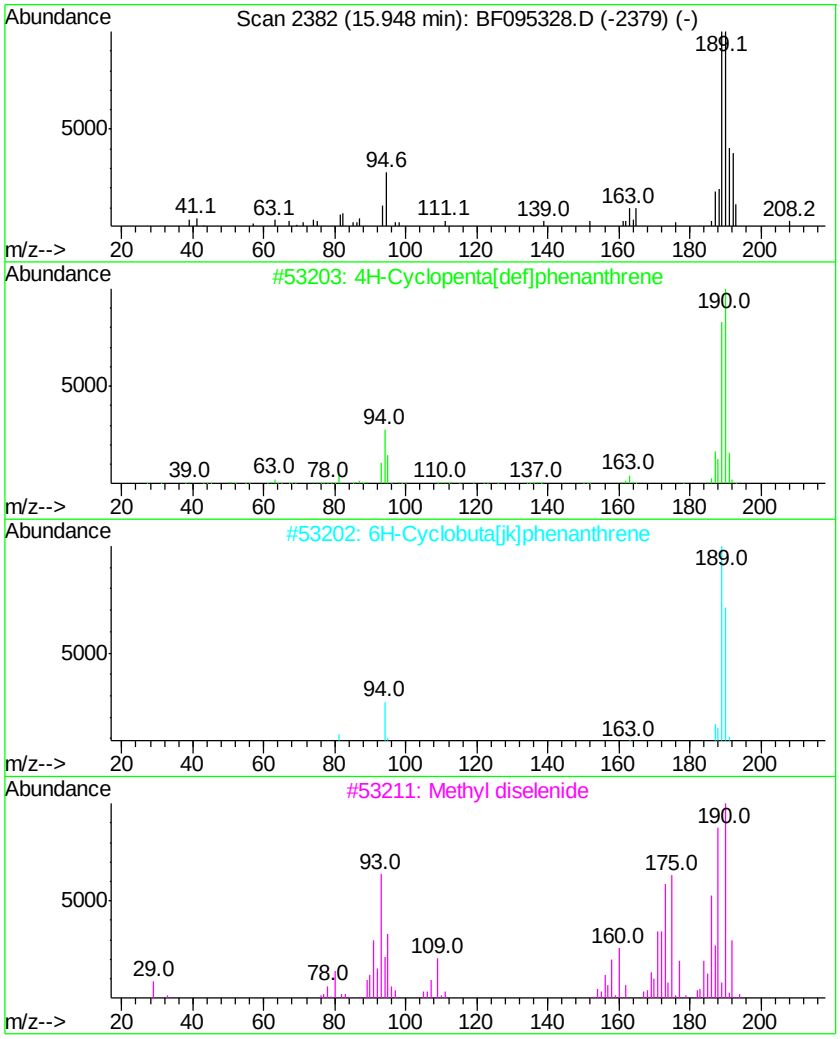
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

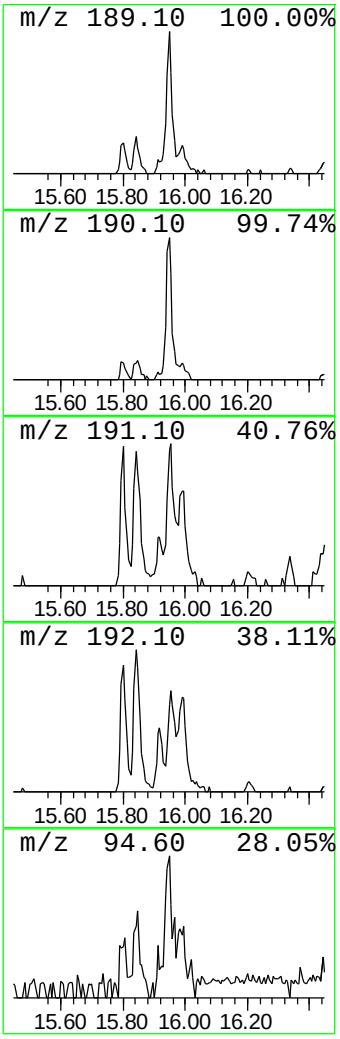
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	2.02 ng	50589	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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

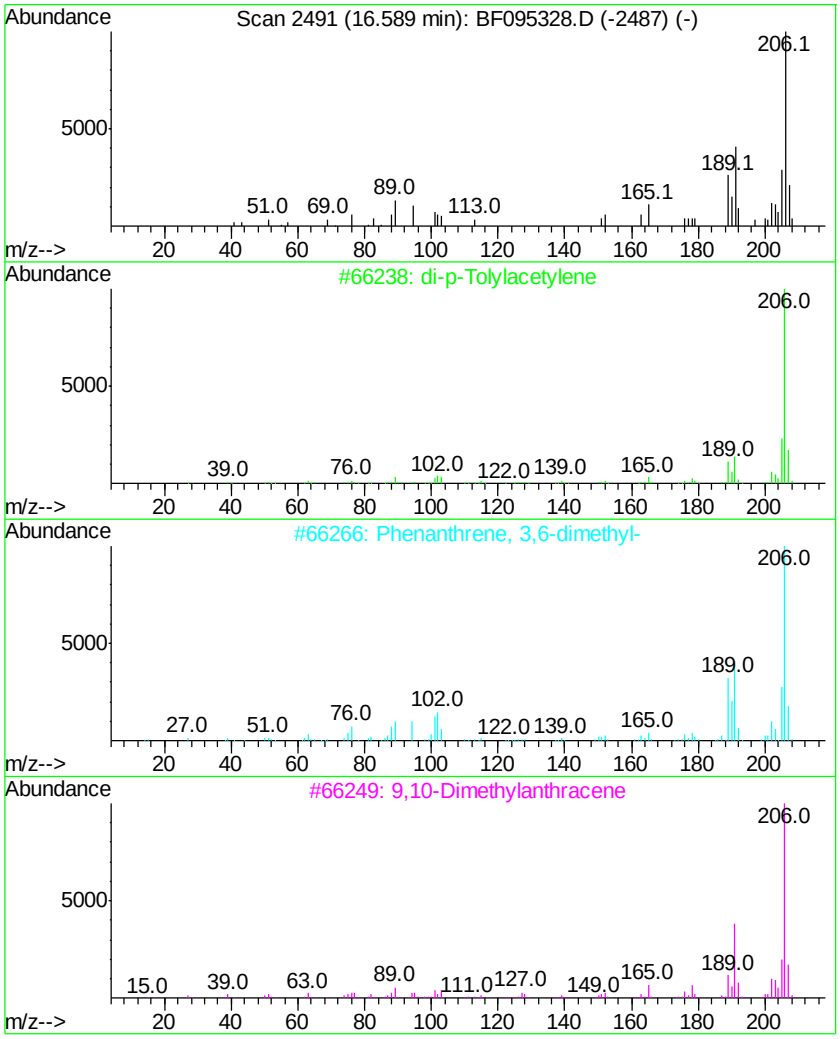
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

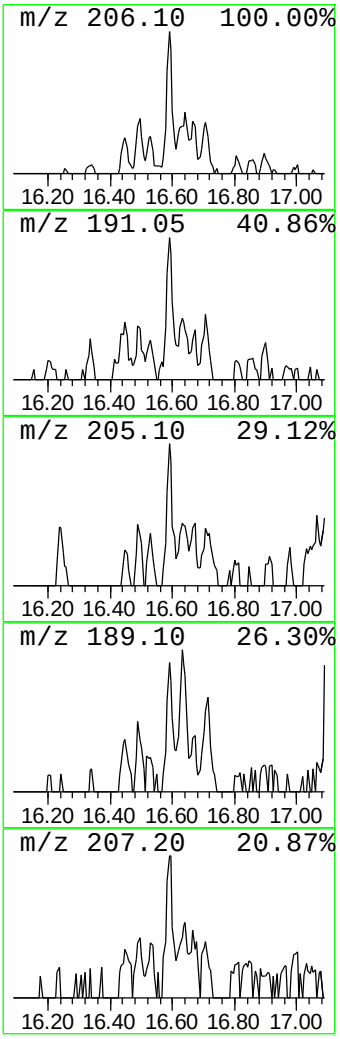
****

Peak Number 5 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	2.04 ng	50986	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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

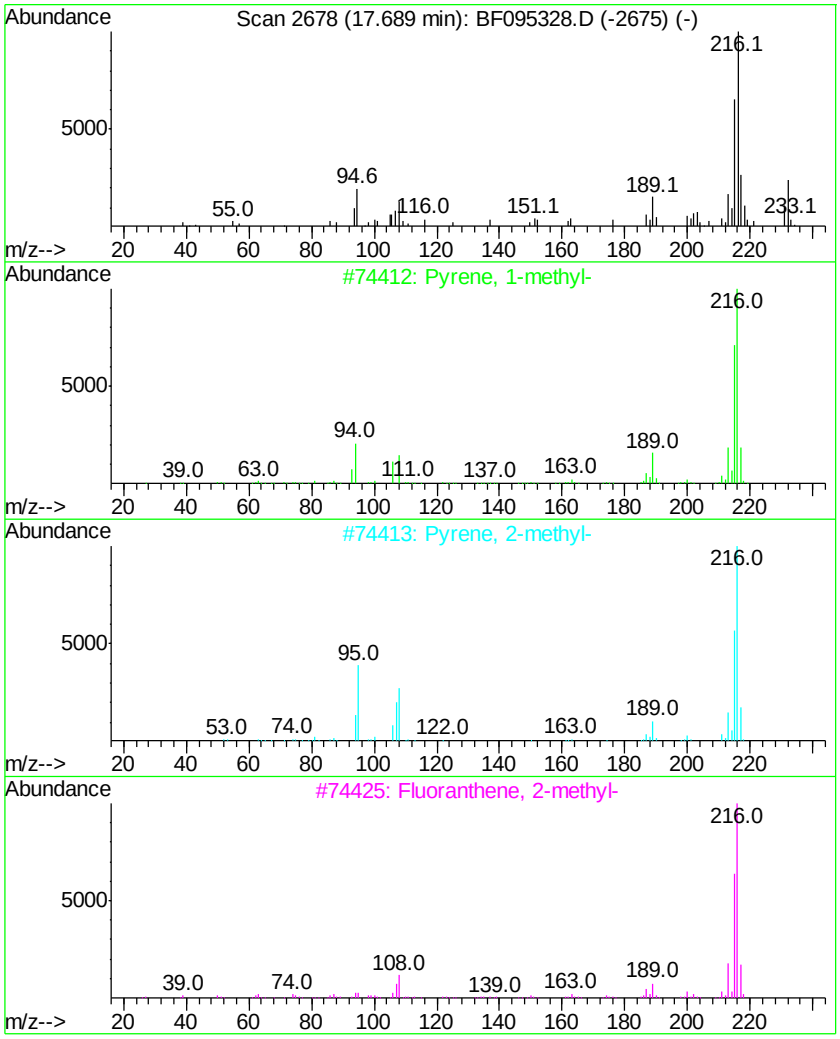
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

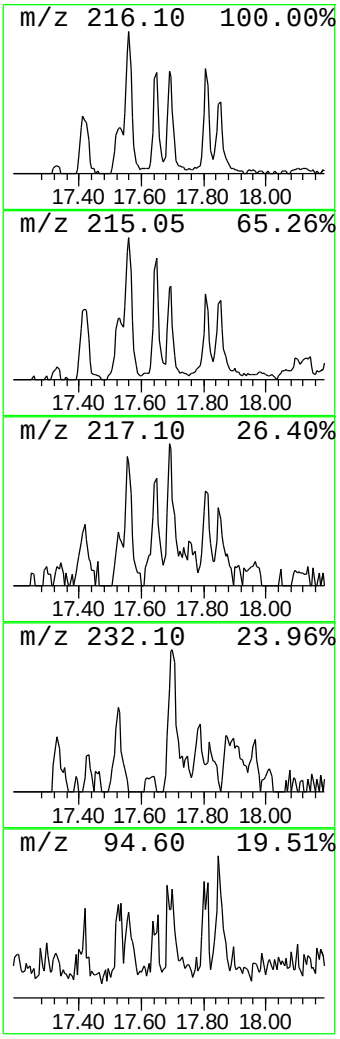
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	2.18 ng	95067	Chrysene-d12	18.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53





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Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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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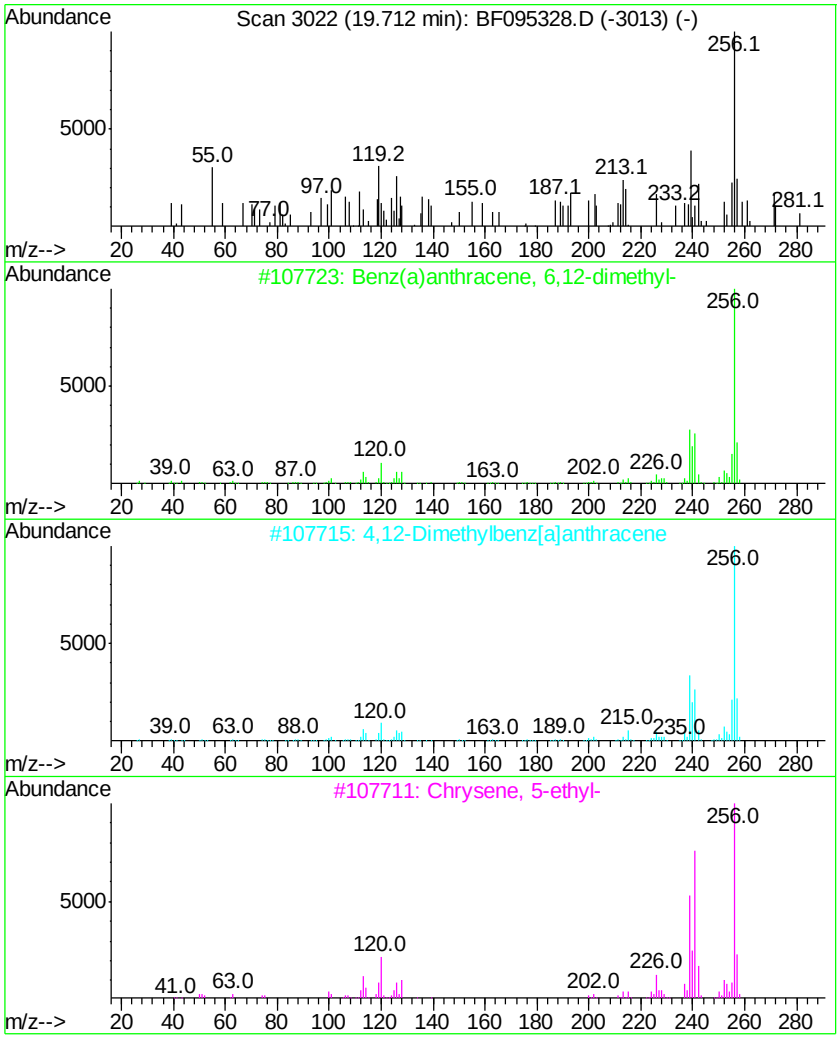
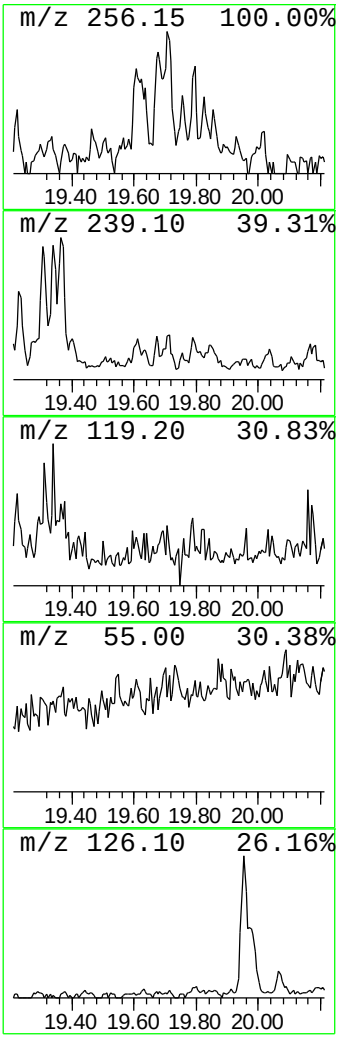
Peak Number 7 Benz(a)anthracene, 6,12-dim... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	3.28 ng	68435	Perylene-d12	20.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	58
2	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	58
3	Chrysene, 5-ethyl-	256	C20H16	054986-62-8	52
4	Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	49
5	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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

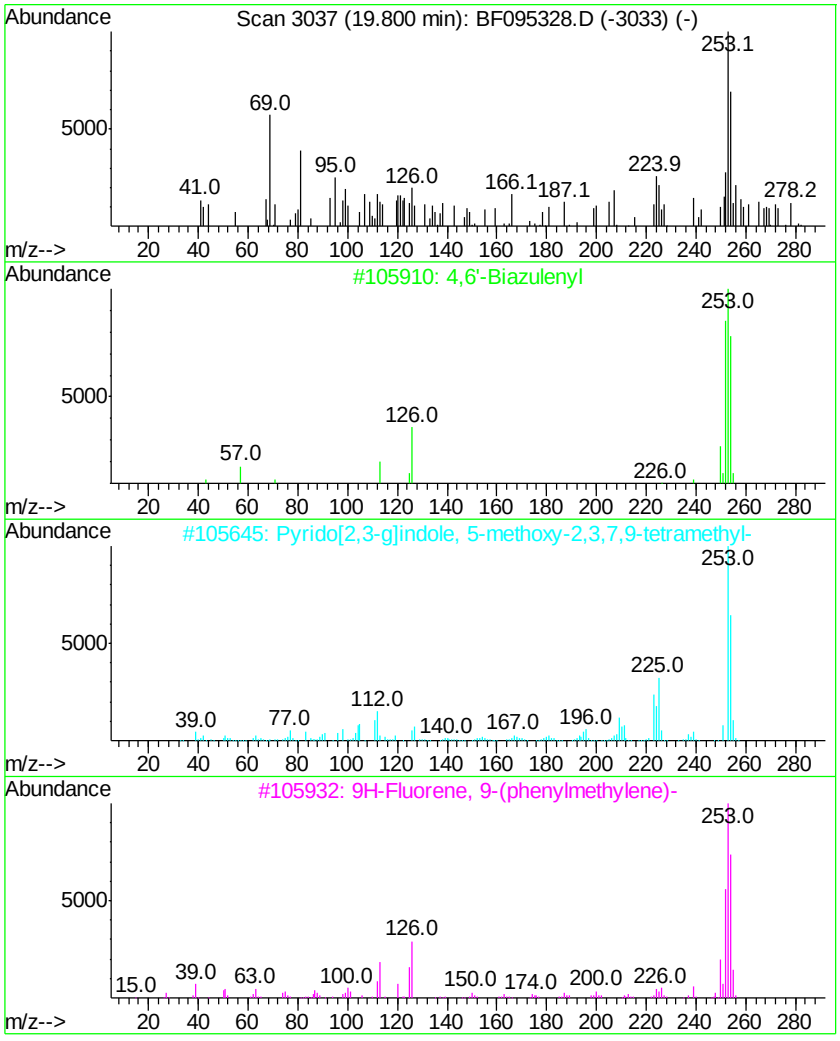
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

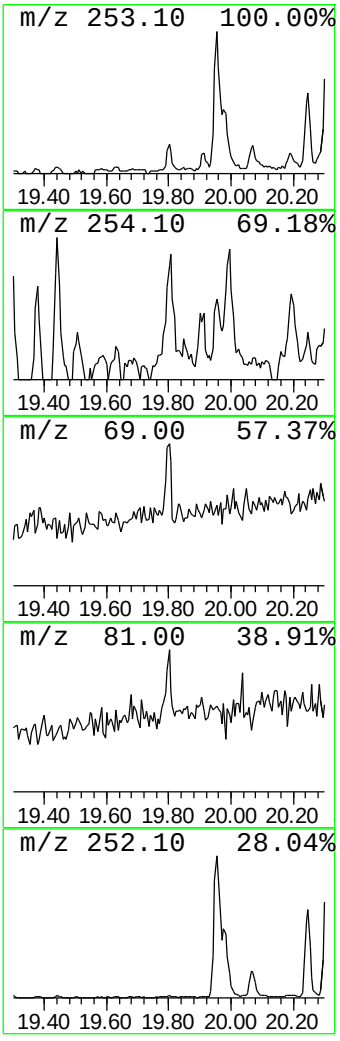
****

Peak Number 8 unknown19.80 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.11 ng	44071	Perylene-d12	20.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6'-Biazulenyl	254	C20H14	094154-49-1	49
2	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	49
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	46
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	43
5	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052217\
Data File : BF095328.D
Acq On : 22 May 2017 22:42
Operator : SJ/MA
Sample : I3250-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W.P.RD-C.AVE(SP)

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
2-Pentanone, 4-hy...	5.12	9.0	ng	221626	1	7.76	492678	20.0
unknown7.42	7.42	91.9	ng	2264100	1	7.76	492678	20.0
4H-Cyclopenta[def...	15.95	2.0	ng	50589	4	15.01	500364	20.0
di-p-Tolylacetylene	16.59	2.0	ng	50986	4	15.01	500364	20.0
Pyrene, 1-methyl-	17.69	2.2	ng	95067	5	18.68	873377	20.0
Benz(a)anthracene...	19.71	3.3	ng	68435	6	20.36	417666	20.0
unknown19.80	19.80	2.1	ng	44071	6	20.36	417666	20.0