LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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	3.443	246	256	268	rBV3	10486	36920	1.58%	0.154%
2	5.101	534	538	557	rBV2	84820	210912	9.03%	0.880%
3	5.590	616	621	635	rBV	55009	126405	5.41%	0.528%
4	5.713	638	642	668	rBV	783210	1975744	84.57%	8.247%
5	5.966	679	685	692	rVB2	65941	106047	4.54%	0.443%
6	7.289	906	910	926	rBV	860196	1885245	80.70%	7.869%
7	7.407	926	930	950	rVB	1372656	2336136	100.00%	9.751%
8	7.742	982	987	1002	rBV	443275	550375	23.56%	2.297%
9	7.978	1022	1027	1042	rBV	1338004	1679350	71.89%	7.010%
10	8.642	1136	1140	1158	rBV	591901	1151941	49.31%	4.808%
11	9.766	1326	1331	1356	rBV	376918	732296	31.35%	3.057%
12	11.530	1626	1631	1651	rBV	1445395	2324908	99.52%	9.705%
13	12.236	1746	1751	1761	rBV	145647	247172	10.58%	1.032%
14	12.383	1769	1776	1780	rBV	16332	28638	1.23%	0.120%
15	12.595	1807	1812	1819	rBV2	486021	767743	32.86%	3.205%
16	12.648	1819	1821	1829	rVB2	27423	42666	1.83%	0.178%
17	12.966	1870	1875	1883	rBV5	9853	23385	1.00%	0.098%
18	13.424	1949	1953	1957	rBV	34992	40042	1.71%	0.167%
19	13.501	1962	1966	1975	rVB4	15253	28882	1.24%	0.121%
20	13.895	2028	2033	2056	rBV	607590	1058488	45.31%	4.418%
21	14.201	2080	2085	2089	rBV	30091	43731	1.87%	0.183%
22	15.001	2216	2221	2224	rVV	445334	623513	26.69%	2.603%
23	15.036	2224	2227	2236	rVV	283275	429433	18.38%	1.793%
24	15.124	2238	2242	2250	rVB	50416	81731	3.50%	0.341%
25	15.430	2291	2294	2300	rBV3	15541	29802	1.28%	0.124%
26	15.524	2306	2310	2316	rVB2	20654	28415	1.22%	0.119%
27	15.660	2328	2333	2336	rBV5	16106	24701	1.06%	0.103%
28	15.783	2350	2354	2357	rVV	67983	85648	3.67%	0.358%
29	15.824	2357	2361	2367	rVV	71017	99815	4.27%	0.417%
30	15.901	2370	2374	2376	rVV2	22110	26151	1.12%	0.109%
31	15.930	2376	2379	2381	rVV2	83257	107214	4.59%	0.448%
32	15.954	2381	2383	2395	rVB3	96557	213474	9.14%	0.891%
33	16.224	2425	2429	2434	rBV2	32848	54642	2.34%	0.228%
34	16.289	2436	2440	2444	rBV	37594	50223	2.15%	0.210%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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	16.477	2469	2472	2474	rBV	24266	23839	1.02%	0.100%
36	16.577	2485	2489	2492	rBV	90002	110684	4.74%	0.462%
37	16.618	2492	2496	2500	rVV3	41803	60521	2.59%	0.253%
38	16.701	2505	2510	2513	rBV3	54380	78493	3.36%	0.328%
39	16.777	2519	2523	2534	rBV	448852	593914	25.42%	2.479%
40	17.018	2560	2564	2566	rBV5	37812	46448	1.99%	0.194%
41	17.048	2566	2569	2571	rVV3	39024	55422	2.37%	0.231%
42	17.083	2571	2575	2583	rVB	586704	715828	30.64%	2.988%
43	17.195	2591	2594	2598	rBV3	30650	48284	2.07%	0.202%
44	17.318	2610	2615	2622	rBV	1362960	1510376	64.65%	6.305%
45	17.401	2627	2629	2634	rVB	35649	46746	2.00%	0.195%
46	17.518	2645	2649	2651	rBV3	46504	72288	3.09%	0.302%
47	17.683	2673	2677	2681	rBV2	83500	129616	5.55%	0.541%
48	17.795	2693	2696	2700	rVB	67597	71202	3.05%	0.297%
49	17.836	2701	2703	2708	rVV	47007	56360	2.41%	0.235%
50	18.377	2793	2795	2799	rVB2	63216	69216	2.96%	0.289%
51	18.671	2840	2845	2849	rBV2	571558	920684	39.41%	3.843%
52	18.706	2849	2851	2859	rVB	263124	353150	15.12%	1.474%
53	19.683	3014	3017	3025	rVB	209141	278722	11.93%	1.163%
54	19.947	3058	3062	3065	rBV	261343	358078	15.33%	1.495%
55	20.236	3109	3111	3115	rVB	117292	130531	5.59%	0.545%
56	20.300	3119	3122	3127	rVV	208852	239466	10.25%	1.000%
57	20.353	3127	3131	3141	rVB2	375548	551397	23.60%	2.302%
58	22.077	3420	3424	3431	rVB	93608	183913	7.87%	0.768%

Sum of corrected areas: 23956966

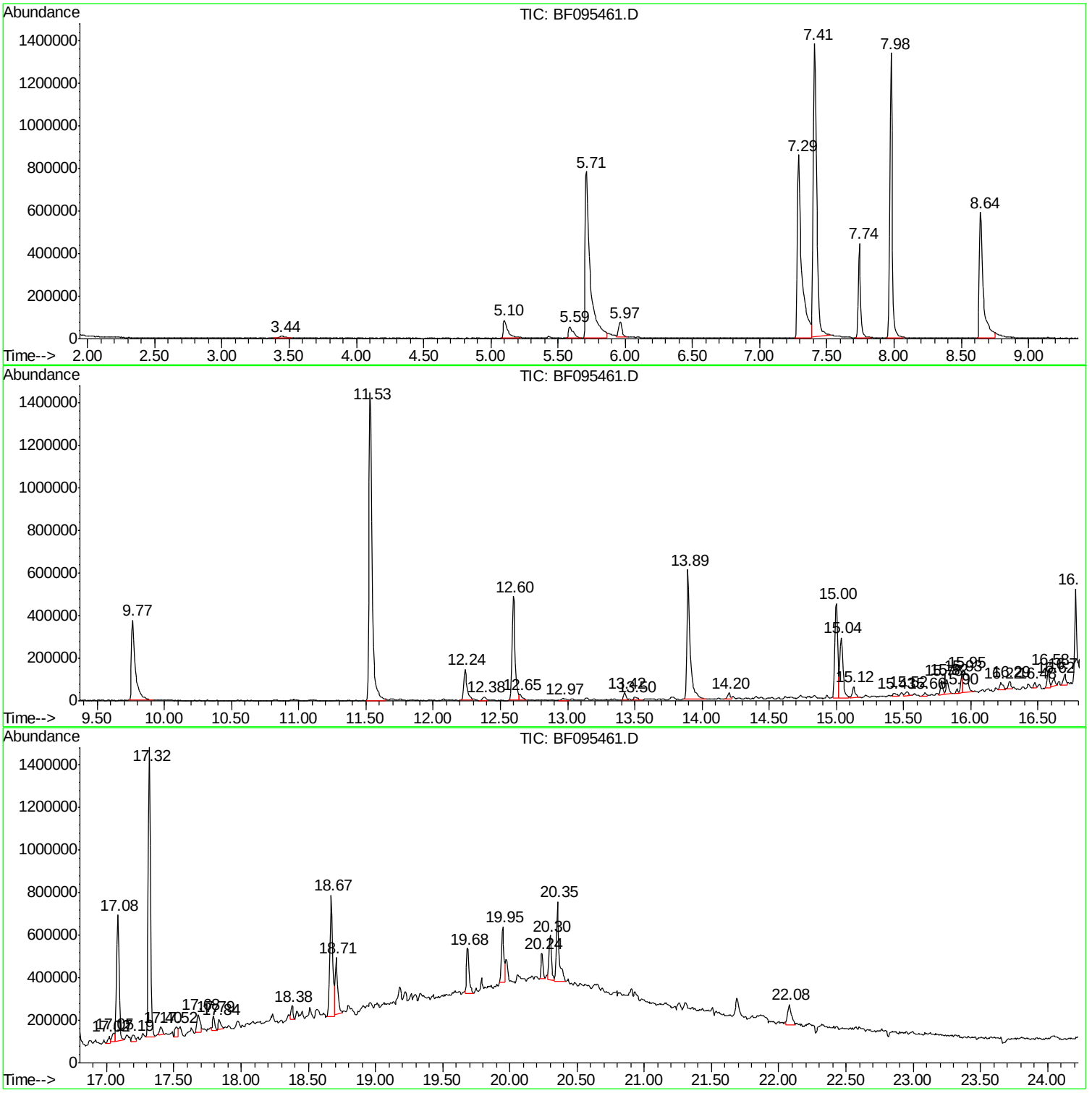
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

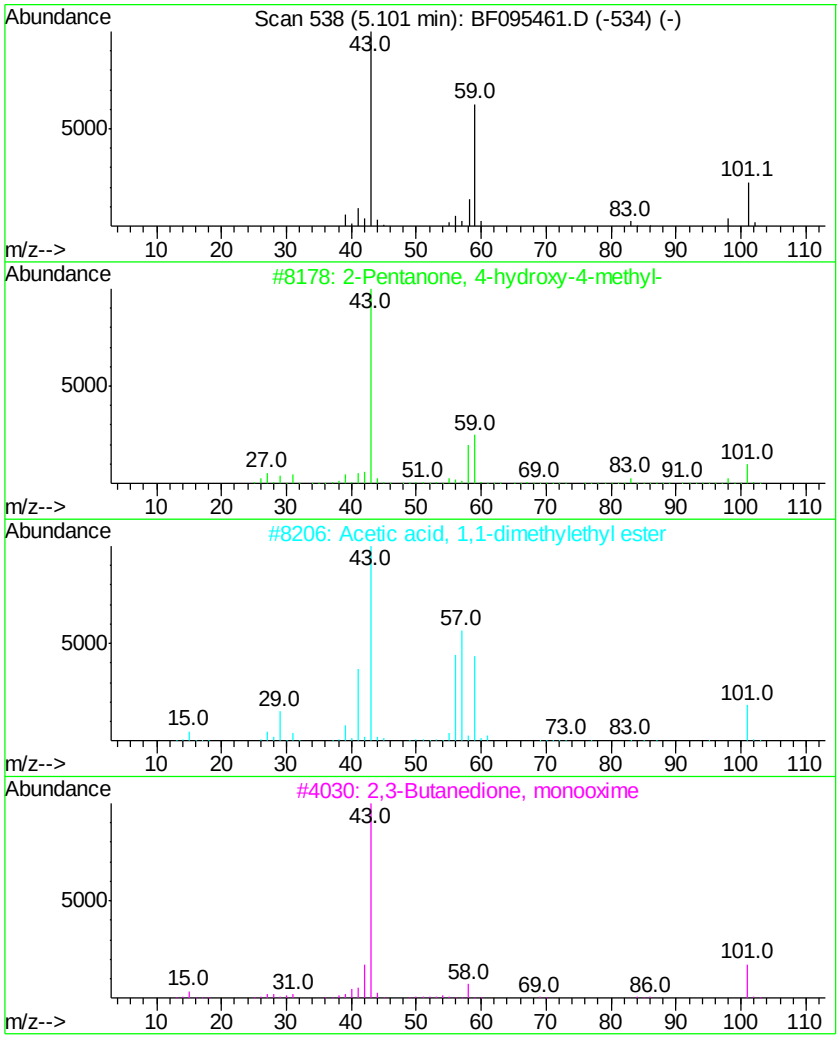
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

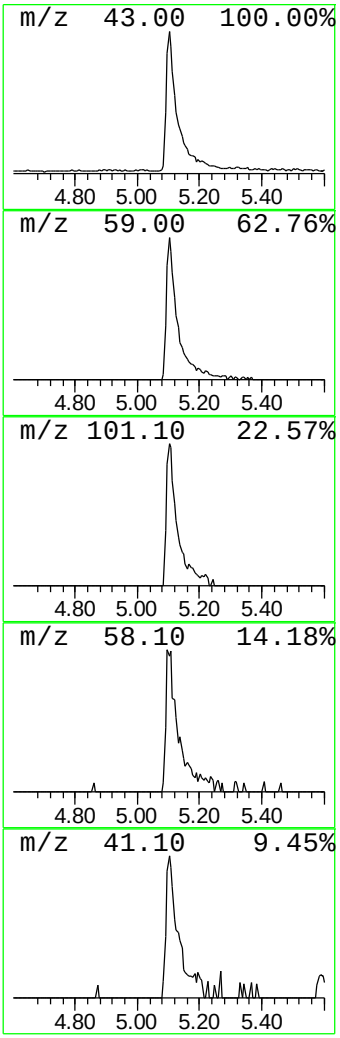
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	7.66 ng	210912	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
4	3-Hexanol	102	C6H14O	000623-37-0	28
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

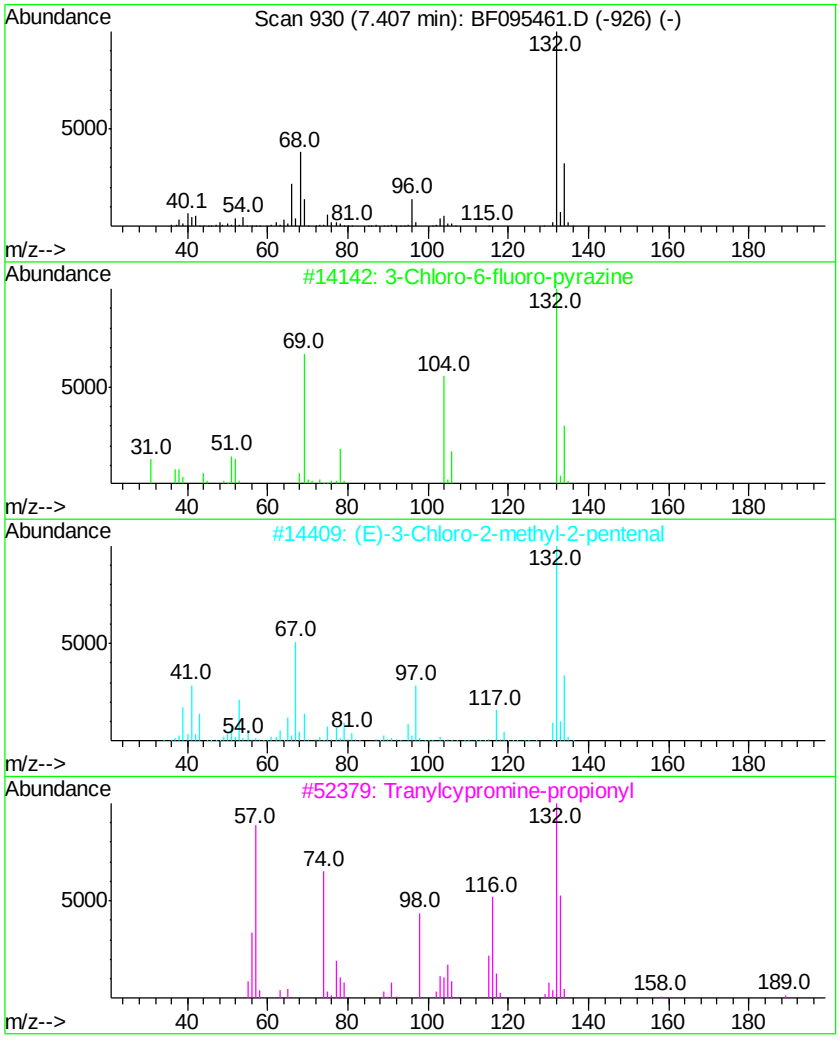
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

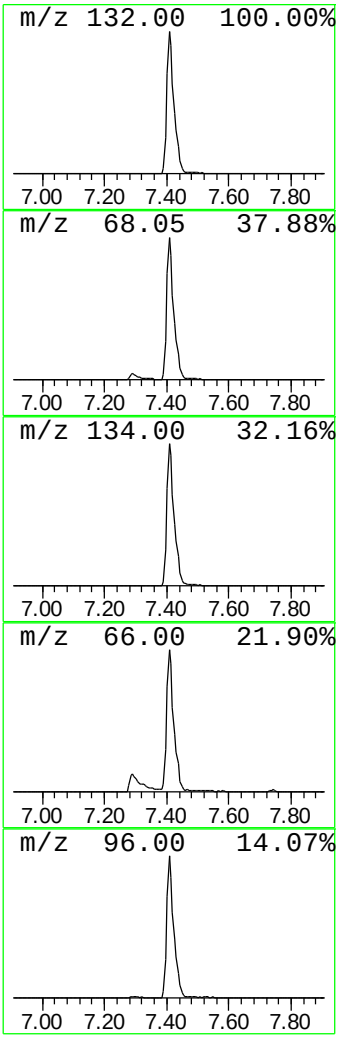
****

Peak Number 4 unknown7.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	84.89 ng	2336140	1,4-Dichlorobenzene-d4	7.74

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

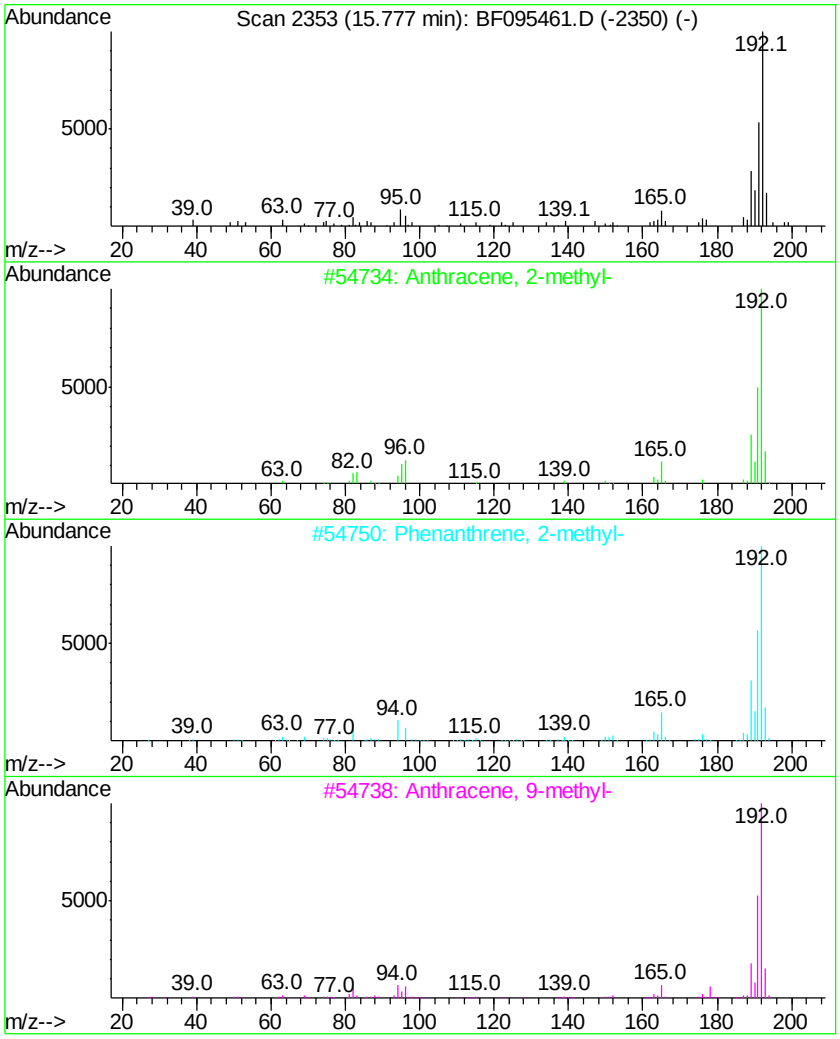
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

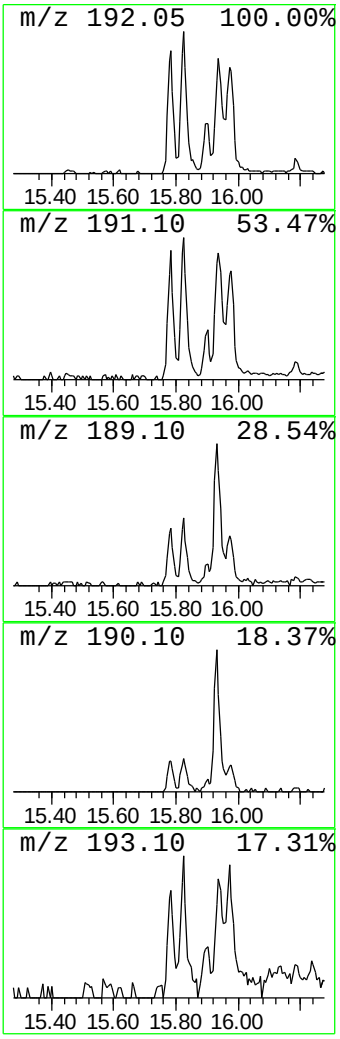
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	2.75 ng	85648	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

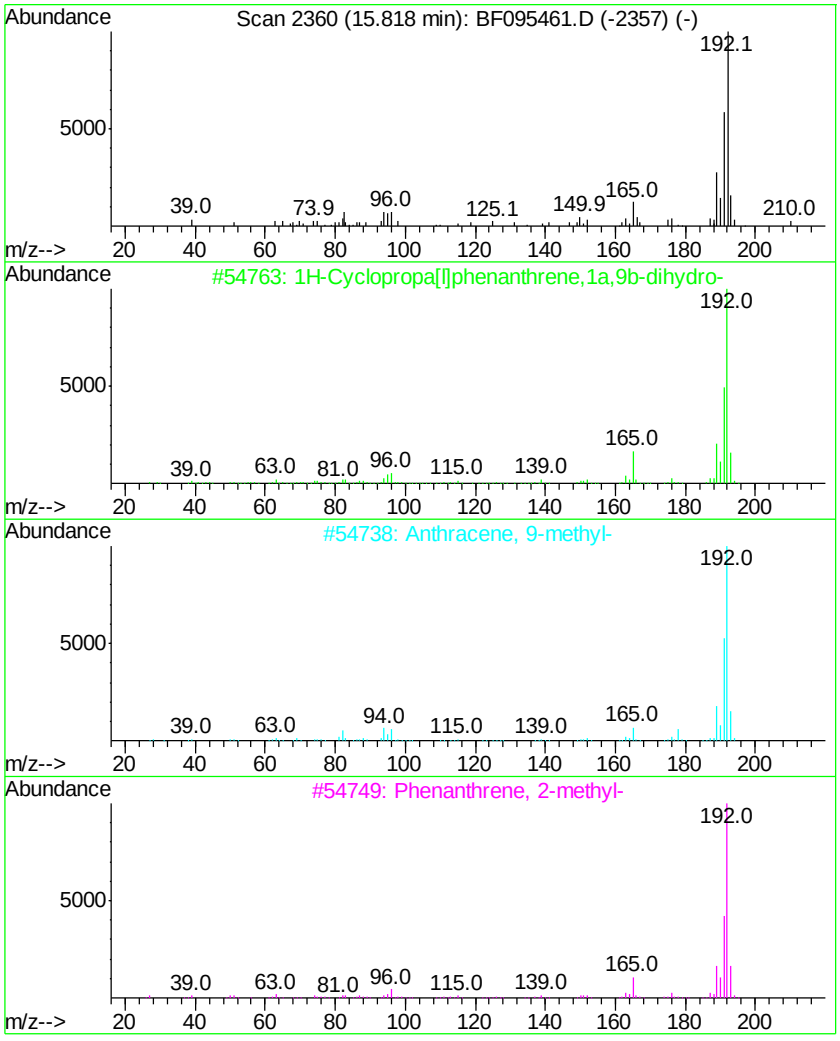
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

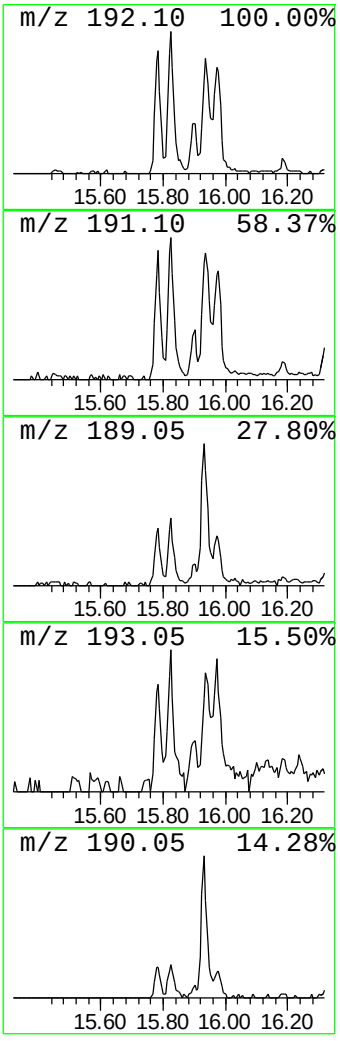
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	3.20 ng	99815	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

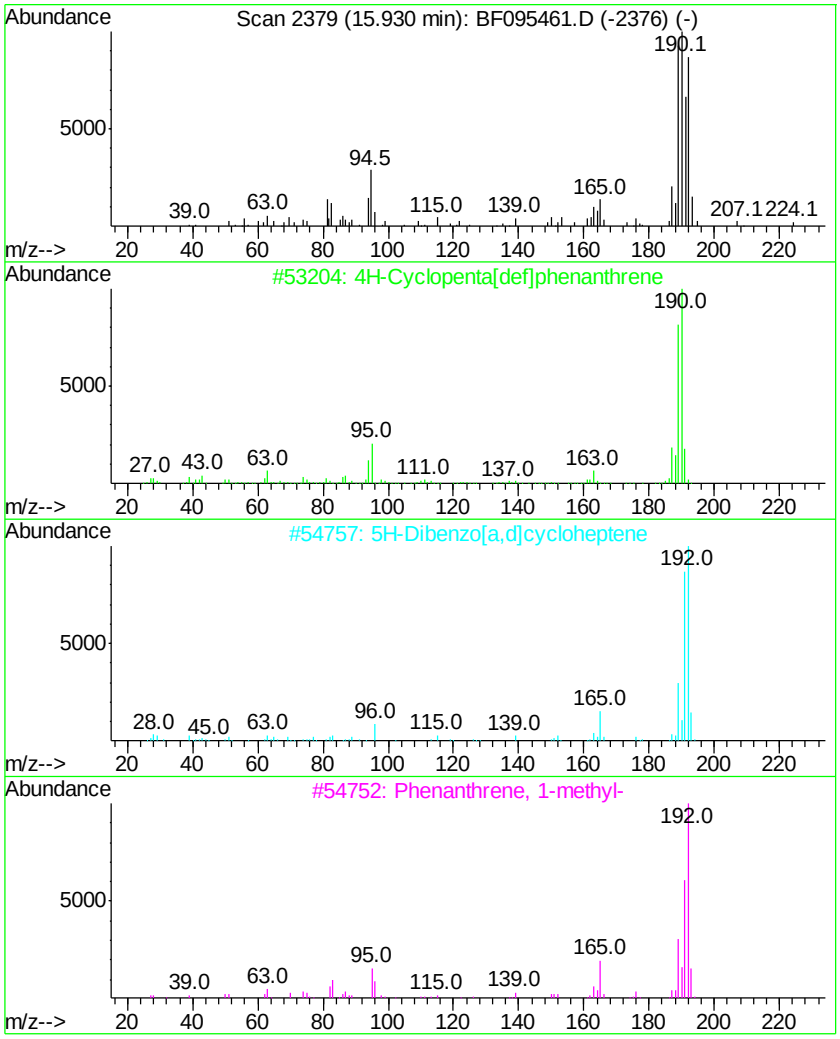
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

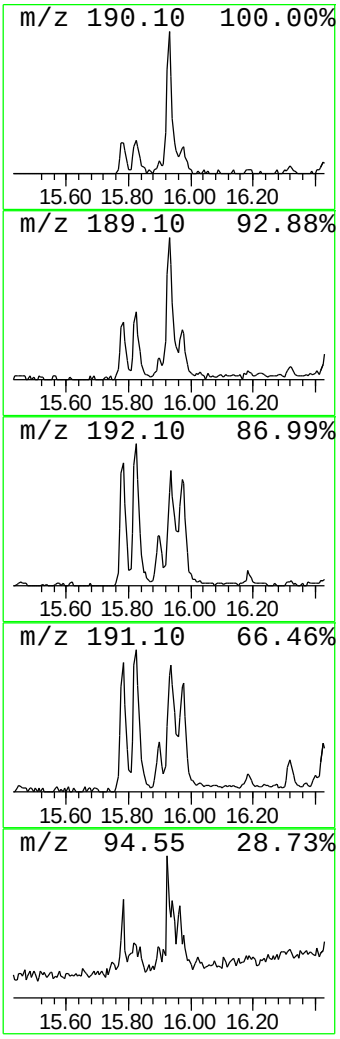
****

Peak Number 8 unknown15.93 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	3.44 ng	107214	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	30
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	30





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Sample : I3241-03
Misc :
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Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

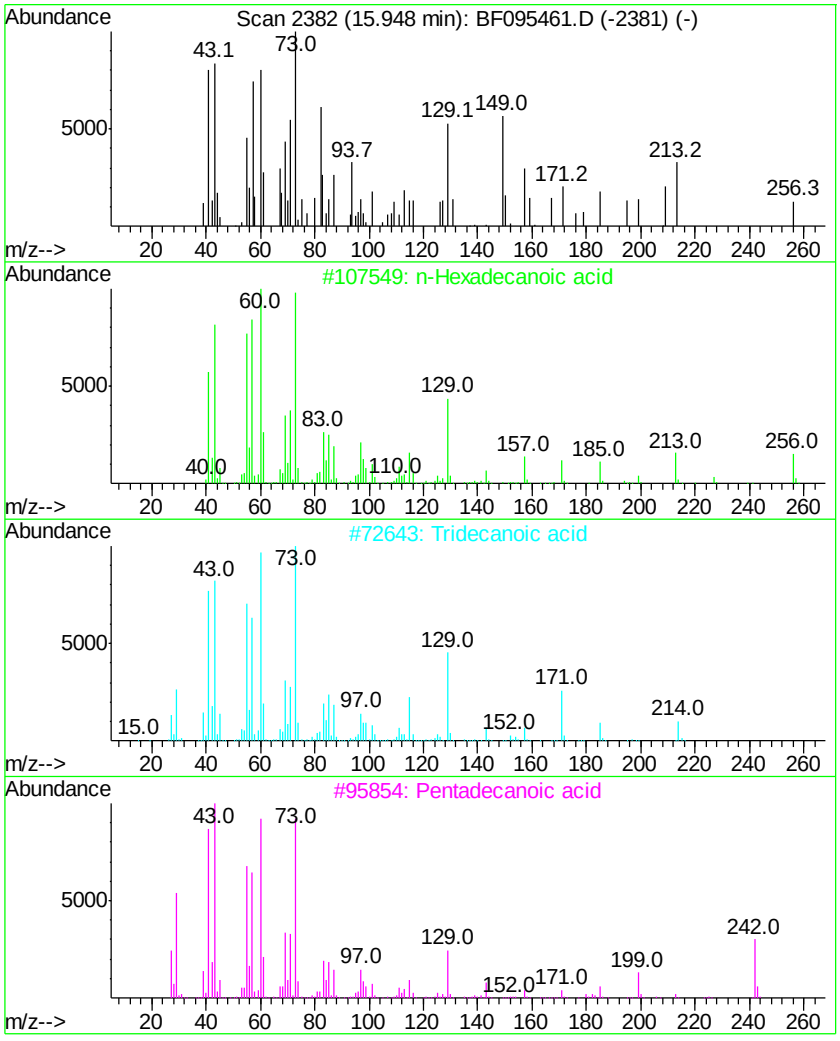
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

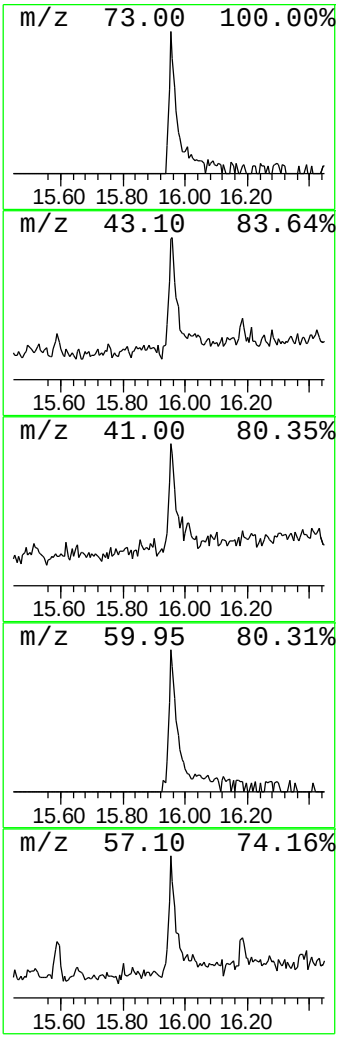
****

Peak Number 9 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	6.85 ng	213474	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
2	Tridecanoic acid	214	C13H26O2	000638-53-9	46
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	43
4	n-Decanoic acid	172	C10H20O2	000334-48-5	42
5	Dodecanoic acid	200	C12H24O2	000143-07-7	38





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Acq On : 26 May 2017 15:18
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

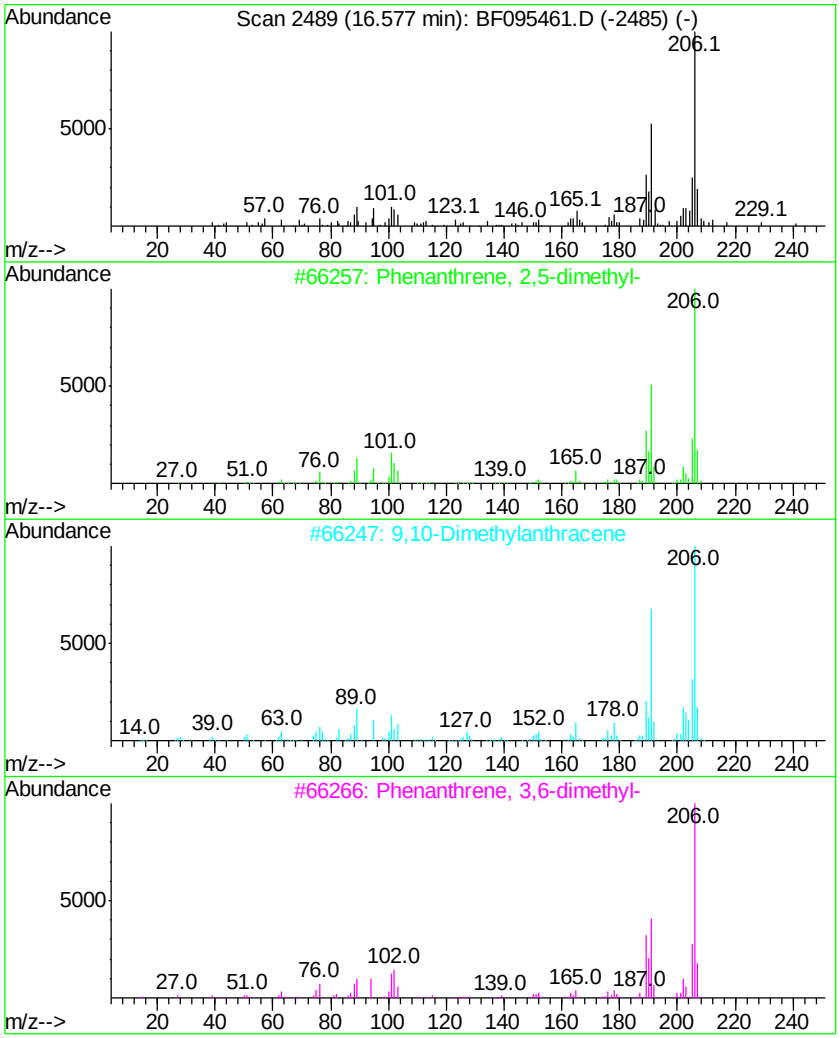
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

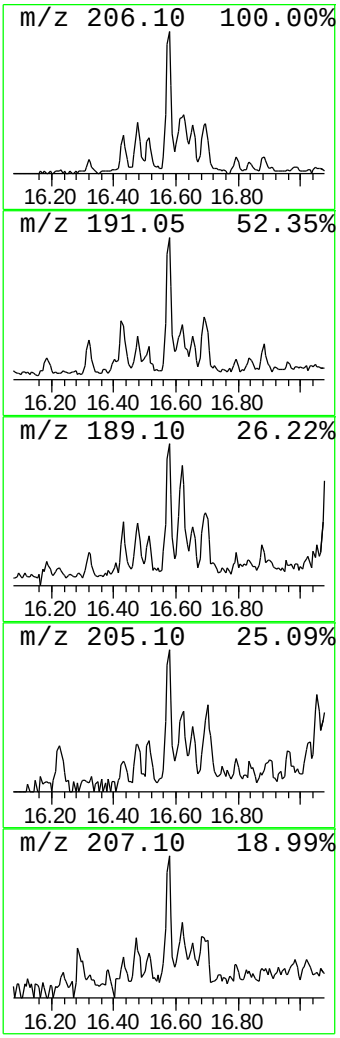
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	3.55 ng	110684	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

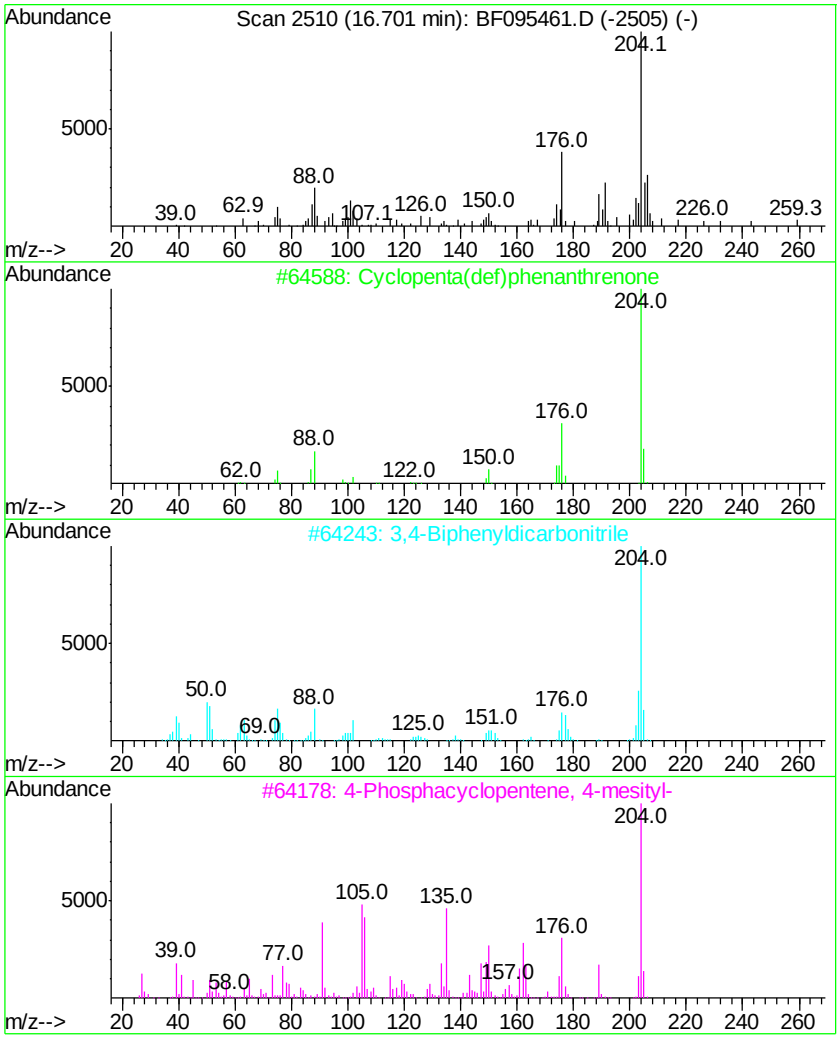
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

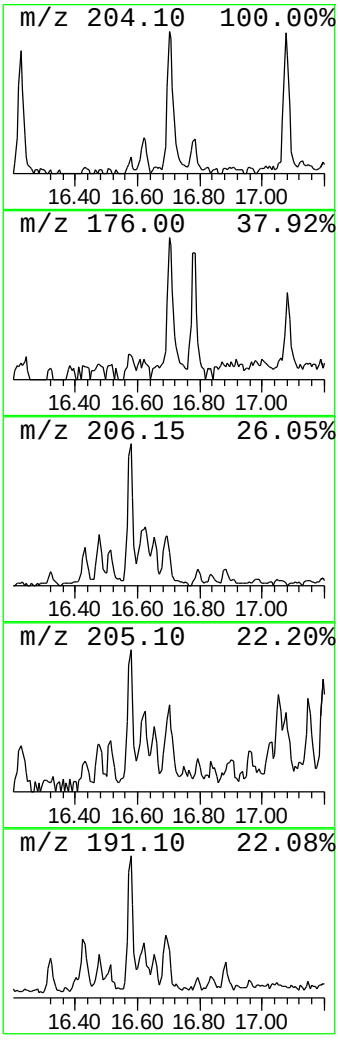
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.52 ng	78493	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	62
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
3	4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	46
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

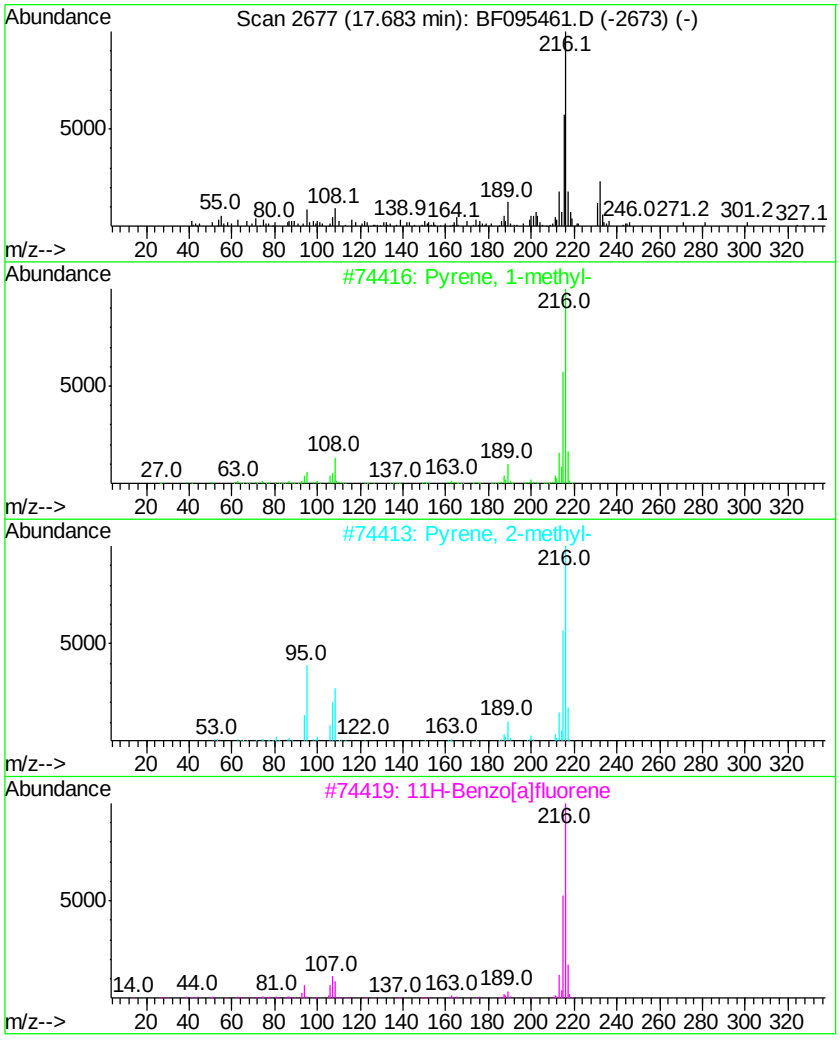
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

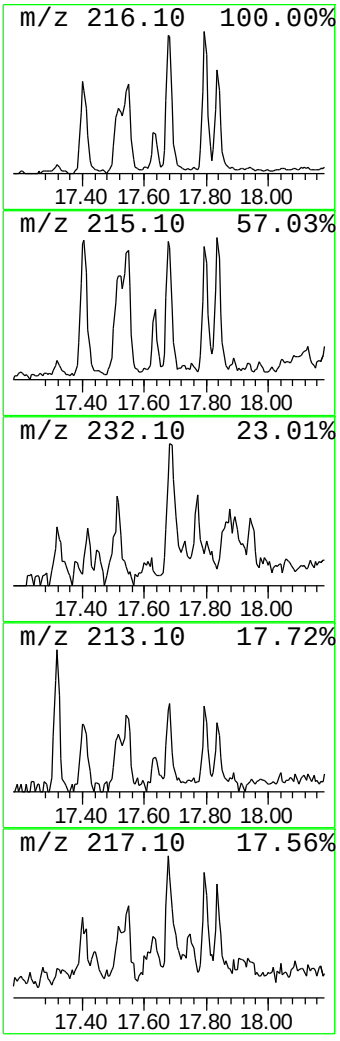
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	2.82 ng	129616	Chrysene-d12	18.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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

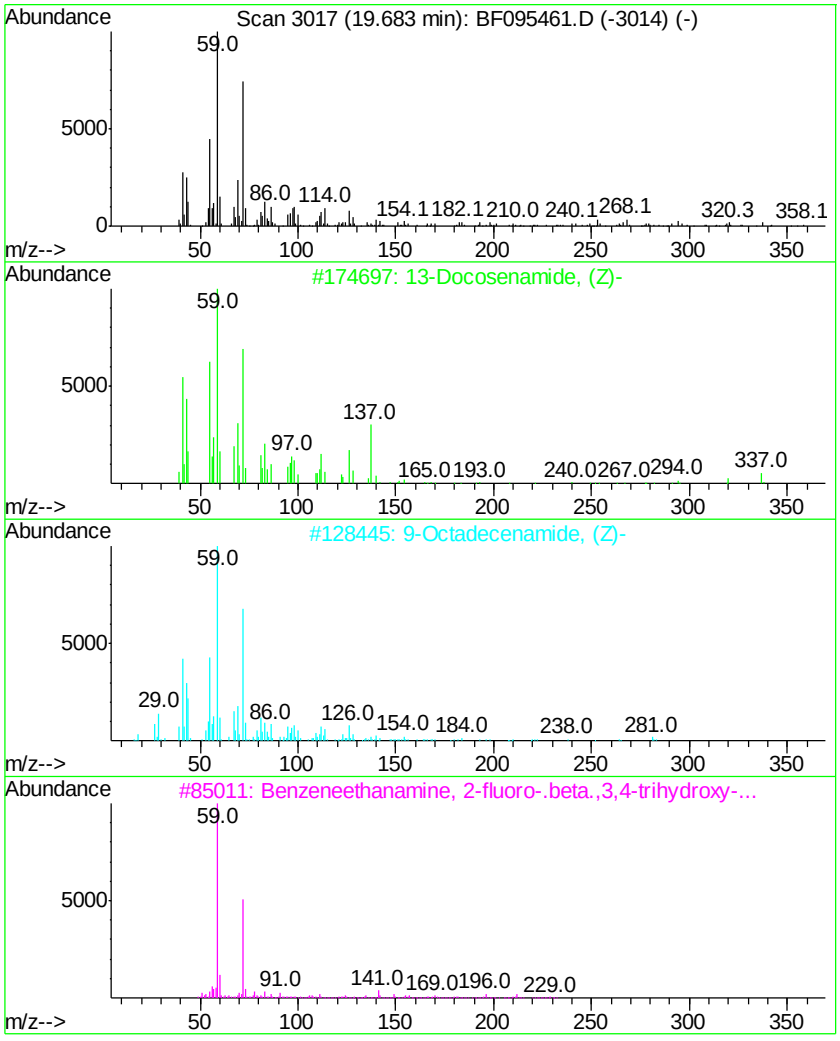
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

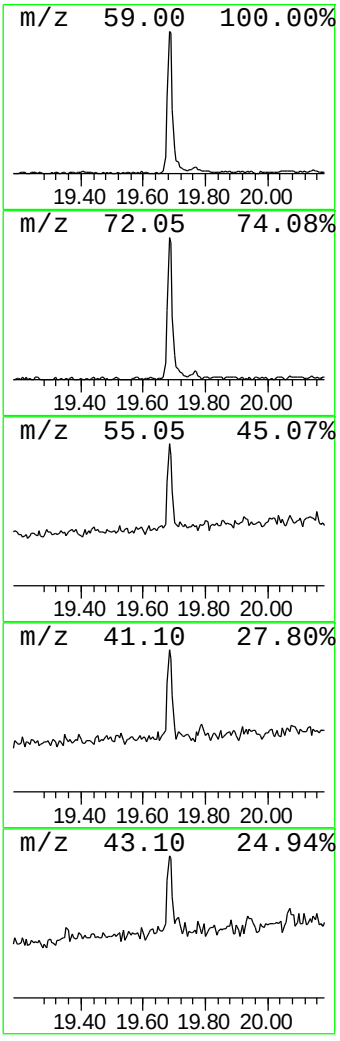
****

Peak Number 13 13-Docosenamide, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	10.11 ng	278722	Perylene-d12	20.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	90
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
3	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	64
4	Dodecanamide	199	C12H25NO	001120-16-7	50
5	Hexadecanamide	255	C16H33NO	000629-54-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095461.D
Acq On : 26 May 2017 15:18
Operator : SJ/MA
Sample : I3241-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-WC10(0-2)

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...	5.10	7.7	ng	210912	1	7.74	550375	20.0
unknown7.41	7.41	84.9	ng	2336140	1	7.74	550375	20.0
Anthracene, 2-met...	15.78	2.8	ng	85648	4	15.00	623513	20.0
1H-Cyclopropa[l]p...	15.82	3.2	ng	99815	4	15.00	623513	20.0
unknown15.93	15.93	3.4	ng	107214	4	15.00	623513	20.0
n-Hexadecanoic acid	15.95	6.8	ng	213474	4	15.00	623513	20.0
Phenanthrene, 2,5...	16.58	3.5	ng	110684	4	15.00	623513	20.0
Cyclopenta(def)ph...	16.70	2.5	ng	78493	4	15.00	623513	20.0
Pyrene, 1-methyl-	17.68	2.8	ng	129616	5	18.67	920684	20.0
13-Docosenamide, ...	19.68	10.1	ng	278722	6	20.35	551397	20.0