

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072919\
 Data File : BM021716.D
 Acq On : 30 Jul 2019 04:52
 Operator : HP/JU
 Sample : K3922-02MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A52F0MS

Manual Integrations
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mohammad
 7/30/2019 4:51:52 PM

Quant Time: Jul 30 06:43:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 30 05:24:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	168652	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	669217	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	416979	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	886315	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	935049	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	1094724	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	6695	1.91	ng/uL	0.00
5) Phenol-d5	6.86	99	120208	9.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	79158	10.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	108568	10.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	119176	11.19	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	59462	11.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	62519	11.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	141960	12.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	100831	9.03	ng/ul	0.01
43) Dimethylphthalate-d6	13.74	166	483582	15.03	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	618346	16.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	53033	10.86	ng/ul	0.00
57) Fluorene-d10	15.32	176	467015	16.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	35757	6.49	ng/ul	0.00
70) Anthracene-d10	17.17	188	723142	16.21	ng/ul	0.00
78) Pyrene-d10	19.47	212	1103831	21.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	1423814	24.58	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.88	94	97213	7.180	ng/ul 98
10) 2-Chlorophenol	7.24	128	82279	7.287	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.49	70	92941	10.698	ng/ul 98
33) 4-Chloro-3-methylphenol	11.76	107	147606	12.546	ng/ul 98
44) Dimethylphthalate	13.79	163	131002	3.922	ng/ul 99
49) Acenaphthene	14.39	153	384928	13.471	ng/ul 99
52) 4-Nitrophenol	14.57	109	45314	10.243	ng/ul 97
54) 2,4-Dinitrotoluene	14.72	165	98944	11.370	ng/ul 86
68) Pentachlorophenol	16.73	266	80910	9.989	ng/ul 96
69) Phenanthrene	17.12	178	120271	2.253	ng/ul 100
75) Di-n-butylphthalate	18.04	149	71032	1.422	ng/ul# 98
76) Fluoranthene	19.14	202	512455	8.229	ng/ul 97
79) Pyrene	19.50	202	1706526	24.460	ng/ul 100
82) Benzo(a)anthracene	21.25	228	228794	3.360	ng/ul 99
84) Chrysene	21.30	228	302033	4.705	ng/ul 98
87) Benzo(b)fluoranthene	22.83	252	456835	6.133	ng/ul 98
88) Benzo(k)fluoranthene	22.87	252	146548m	2.012	ng/ul
90) Benzo(a)pyrene	23.40	252	261649	3.752	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.74	276	228415	2.824	ng/ul 98
93) Benzo(g,h,i)perylene	26.43	276	225579	3.355	ng/ul 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

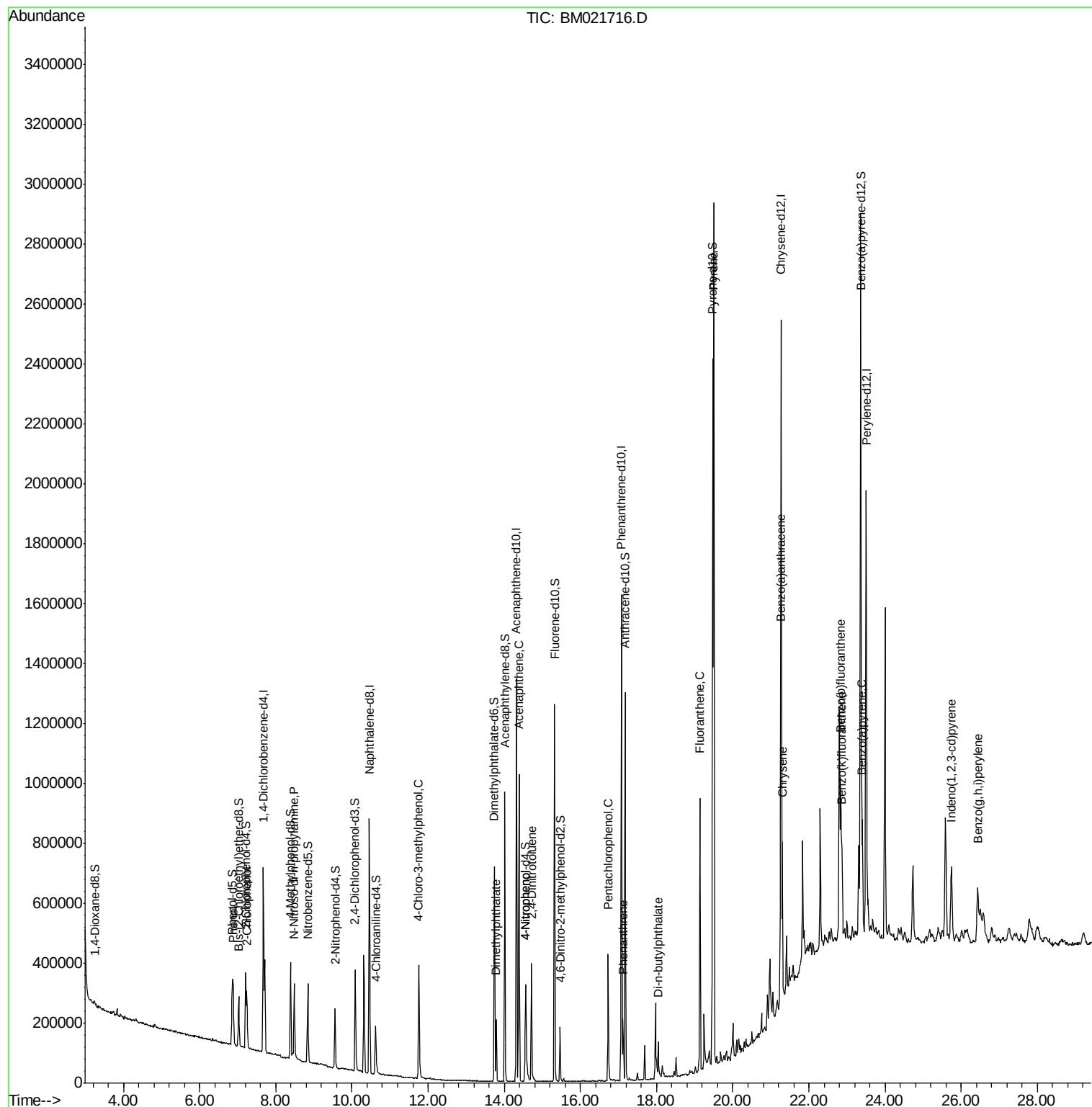
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072919\
Data File : BM021716.D
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ALS Vial : 26 Sample Multiplier: 1

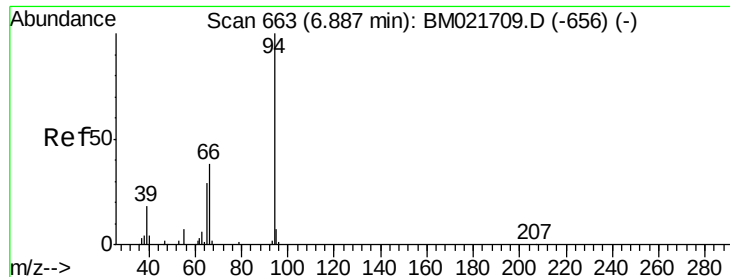
Instrument :
BNA_M
ClientSampleId :
A52F0MS

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
Quant Title : SVOA CALIBRATION
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#6

Phenol

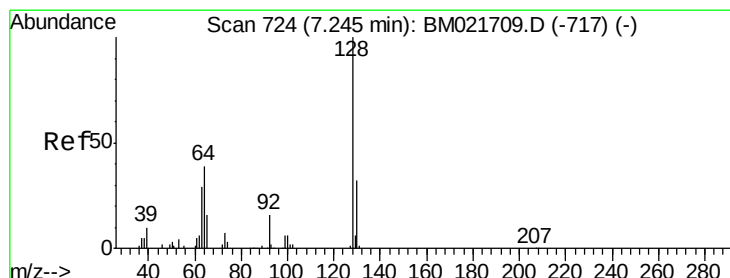
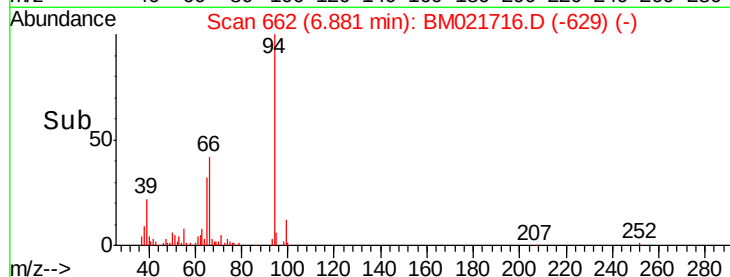
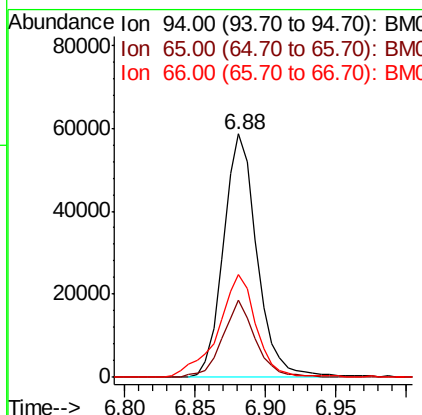
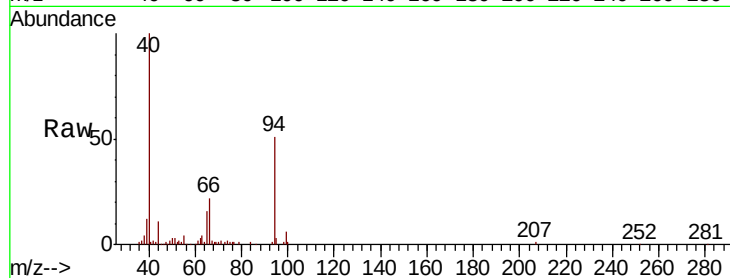
Concen: 7.180 ng/ul
 RT: 6.88 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BM021716.D
 Acq: 30 Jul 2019 04:52

Instrument :
 BNA_M
 ClientSampleId :
 A52F0MS

Tot Ion	Ratio	Lower	Upper
94	100		
65	31.7	24.8	37.2
66	42.5	33.0	49.4

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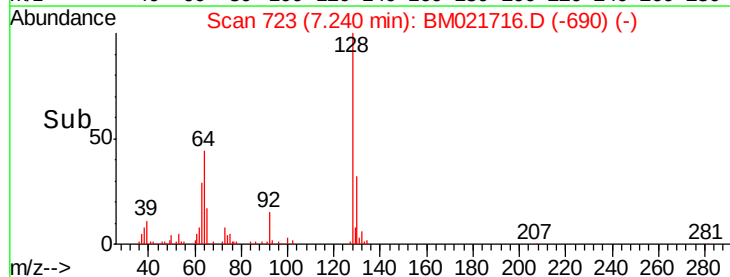
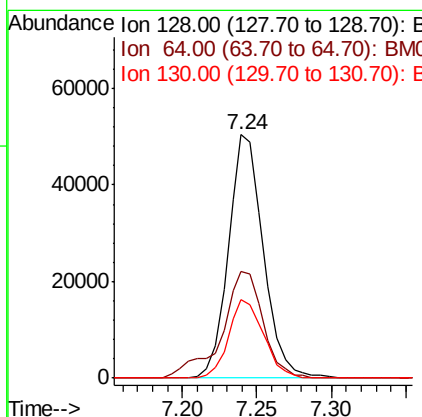
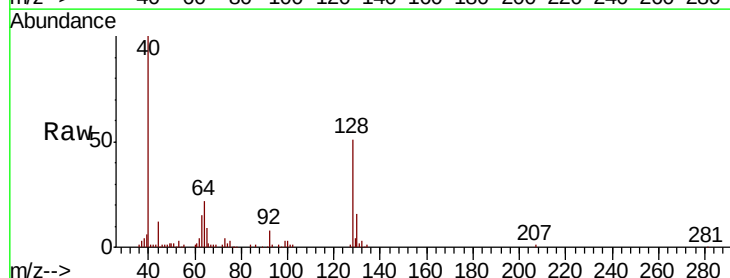


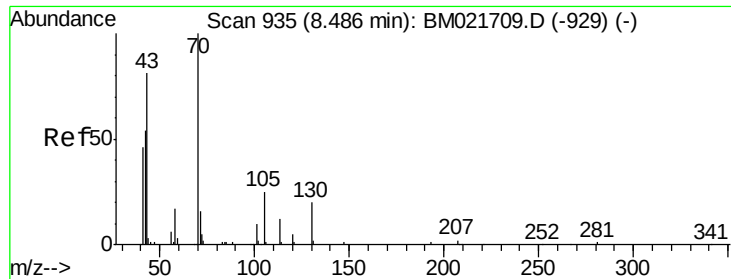
#10

2-Chlorophenol

Concen: 7.287 ng/ul
 RT: 7.24 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BM021716.D
 Acq: 30 Jul 2019 04:52

Tgt Ion	Ratio	Lower	Upper
128	100		
64	43.7	34.5	51.7
130	32.4	27.6	41.4





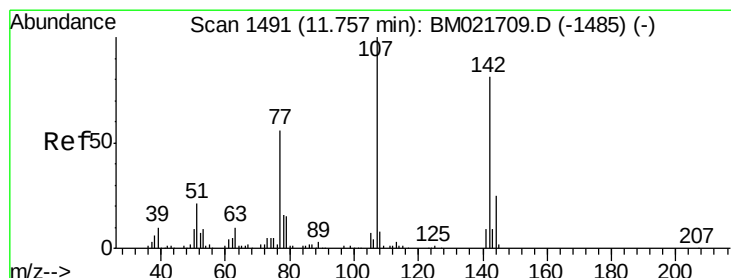
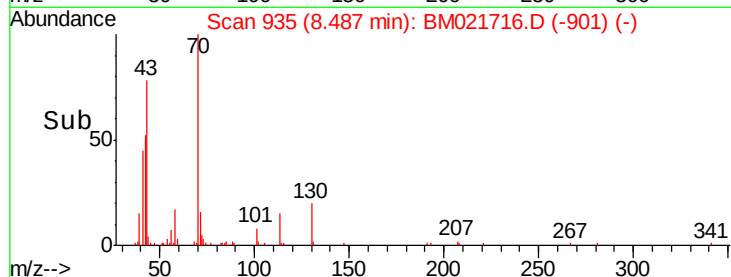
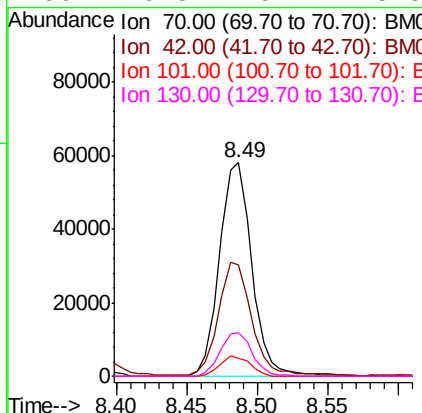
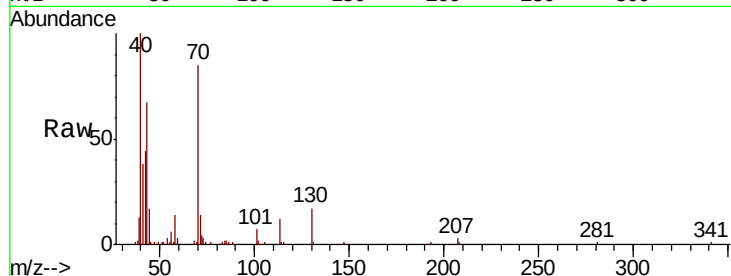
#15
N-Nitroso-di-n-propylamine
Concen: 10.698 ng/ul
RT: 8.49 min Scan# 935
Delta R.T. 0.00 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	51.9	43.2	64.8	
101	8.5	7.0	10.6	
130	20.3	15.7	23.5	

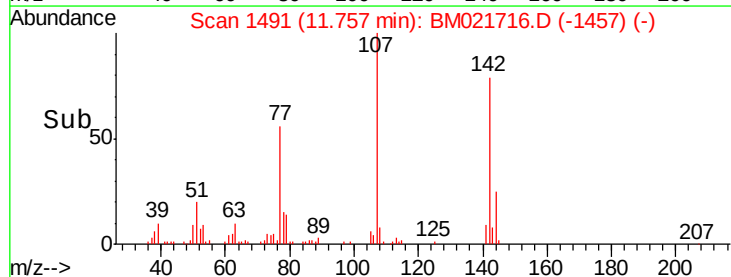
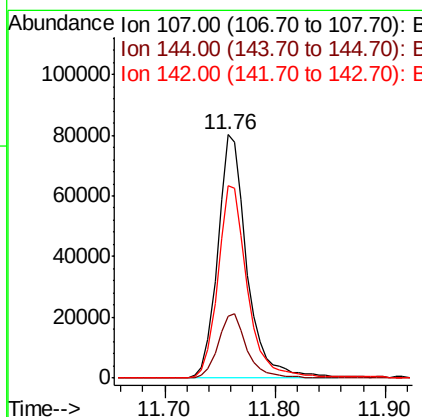
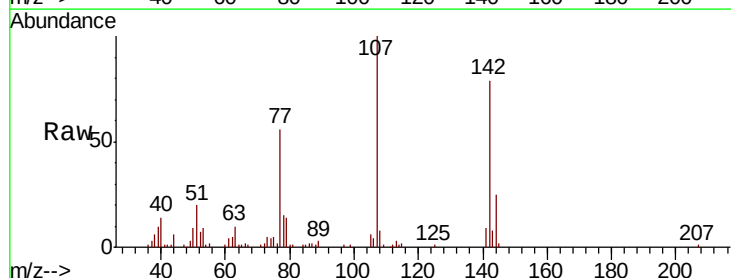
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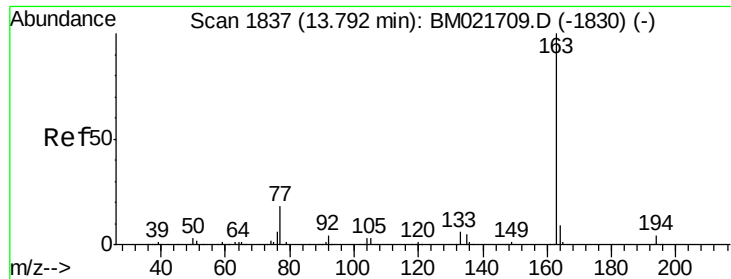
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#33
4-Chloro-3-methylphenol
Concen: 12.546 ng/ul
RT: 11.76 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	25.4	21.3	31.9	
142	79.2	65.1	97.7	





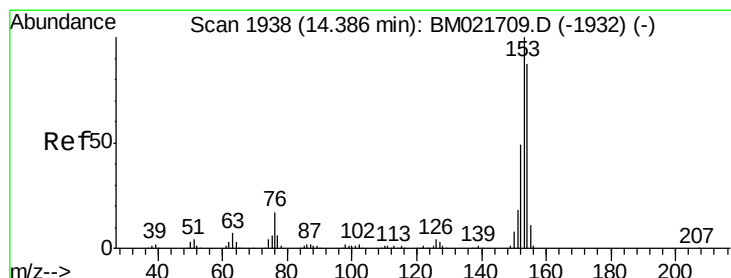
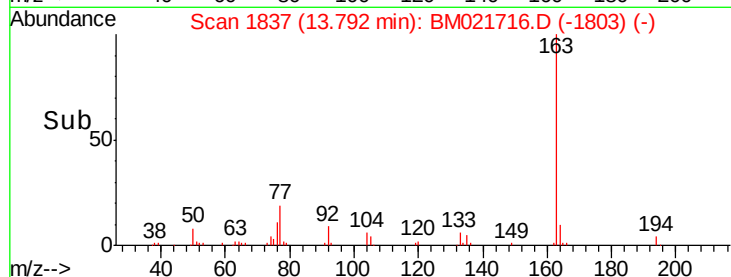
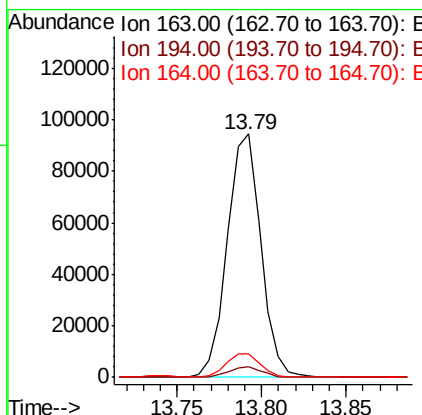
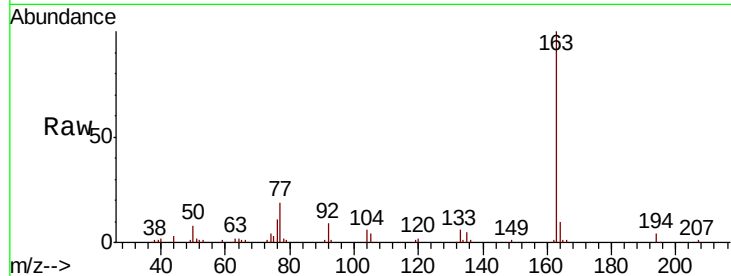
#44
Dimethylphthalate
Concen: 3.922 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.7	8.1	12.1

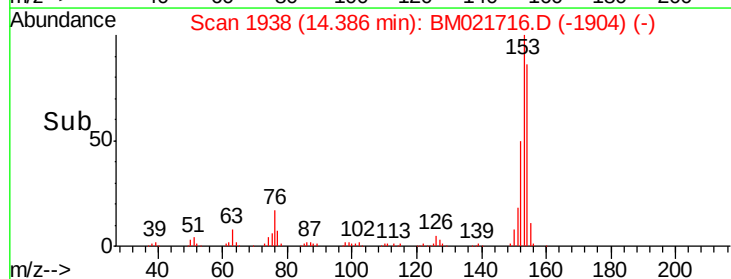
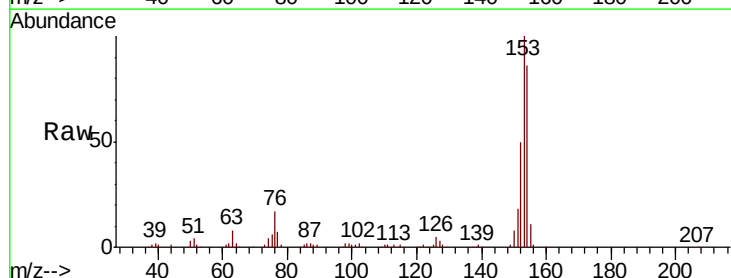
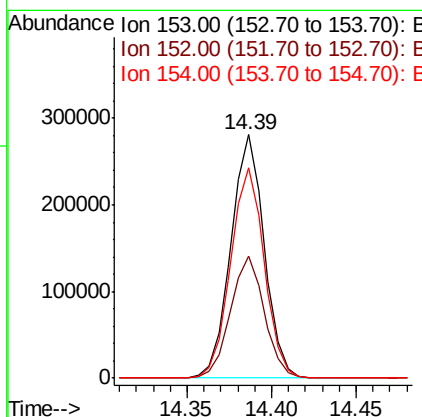
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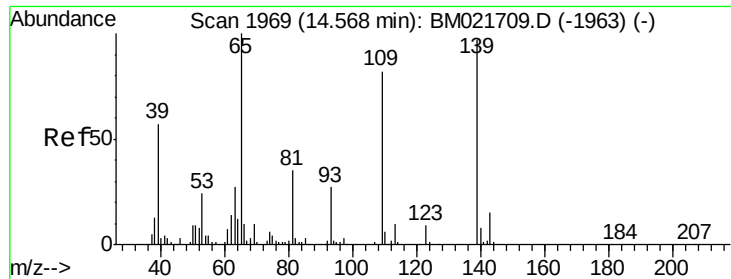
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#49
Acenaphthene
Concen: 13.471 ng/ul
RT: 14.39 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.2	38.7	58.1
154	86.5	69.2	103.8





#52

4-Nitrophenol

Concen: 10.243 ng/ul

RT: 14.57 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BM021716.D

Acq: 30 Jul 2019 04:52

Instrument :

BNA_M

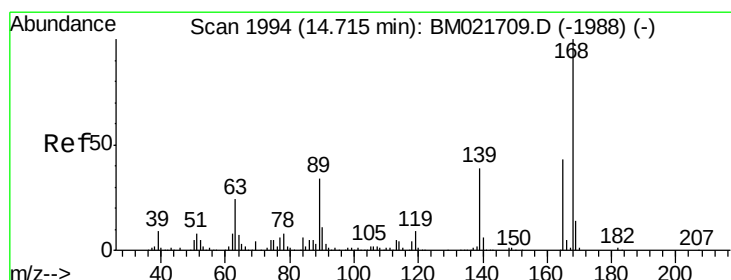
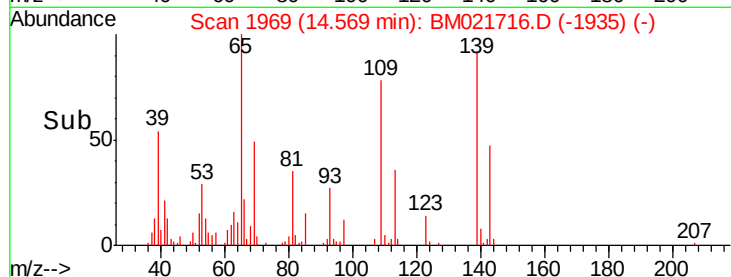
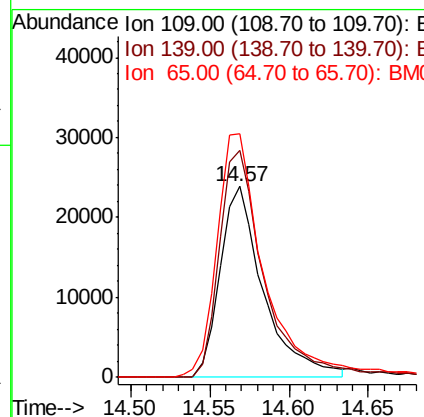
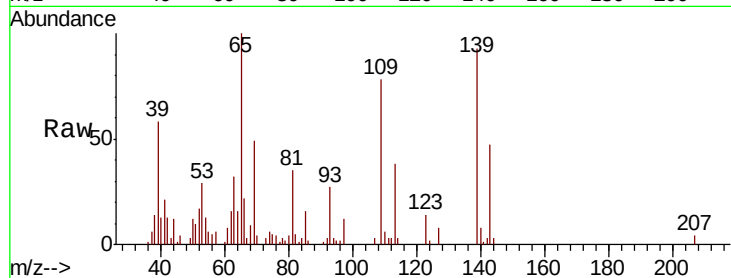
ClientSampleId :

A52F0MS

Tot Ion	Ratio	Lower	Upper
109	100		
139	119.2	96.6	144.8
65	127.5	97.8	146.6

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#54

2,4-Dinitrotoluene

Concen: 11.370 ng/ul

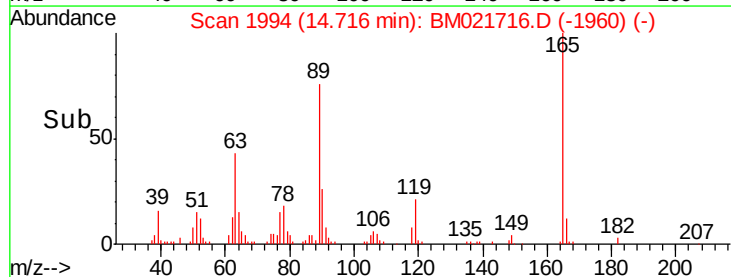
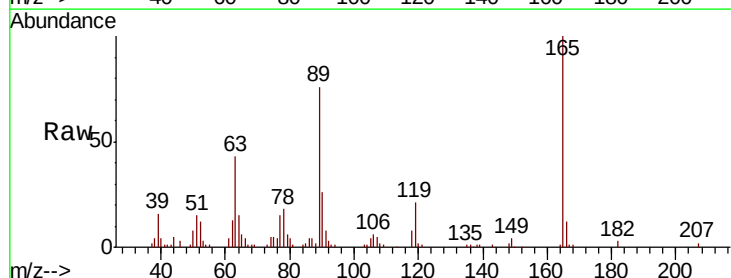
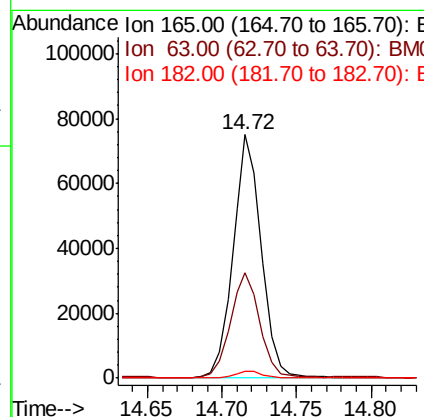
RT: 14.72 min Scan# 1994

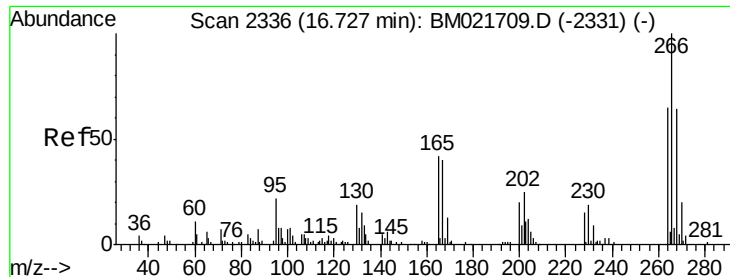
Delta R.T. 0.00 min

Lab File: BM021716.D

Acq: 30 Jul 2019 04:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.0	42.7	64.1
182	2.6	2.3	3.5





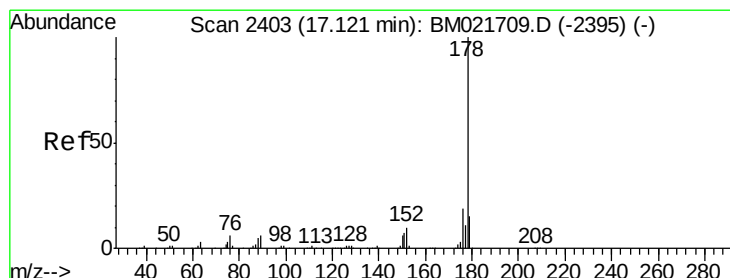
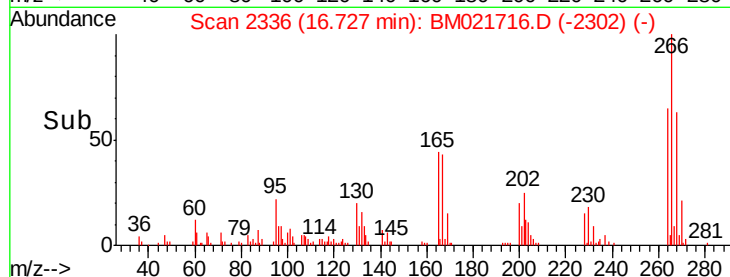
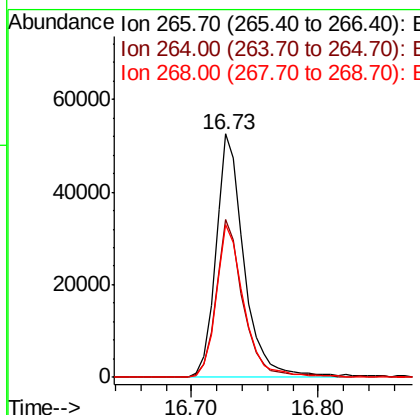
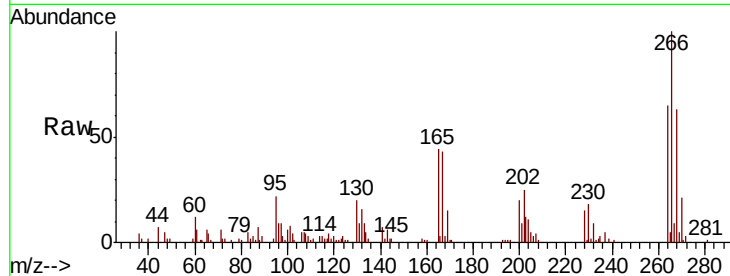
#68
 Pentachlorophenol
 Concen: 9.989 ng/ul
 RT: 16.73 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: BM021716.D
 Acq: 30 Jul 2019 04:52

Instrument :
 BNA_M
 ClientSampleId :
 A52F0MS

Tot Ion	Ratio	Lower	Upper
266	100		
264	64.7	48.2	72.2
268	62.7	51.0	76.6

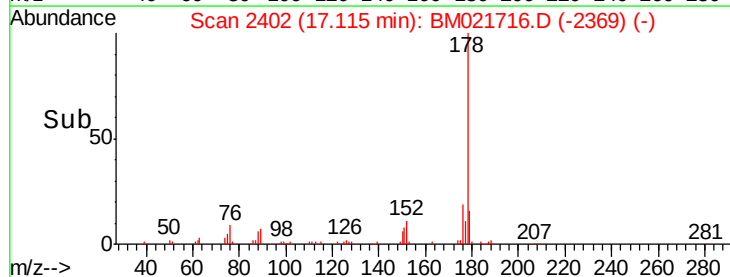
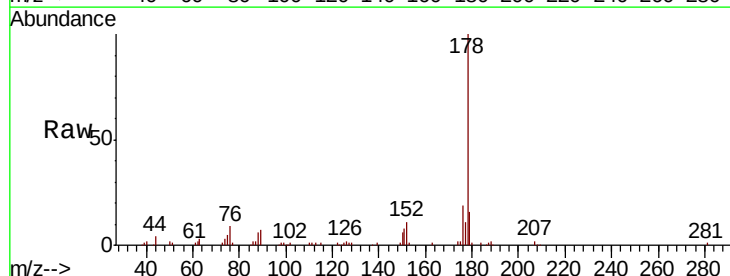
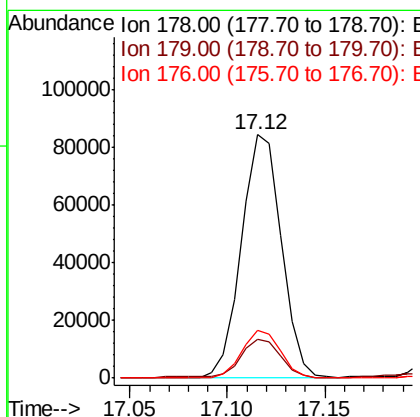
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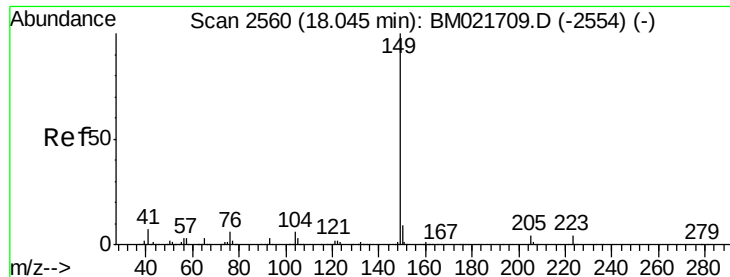
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#69
 Phenanthrene
 Concen: 2.253 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BM021716.D
 Acq: 30 Jul 2019 04:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.5	18.7
176	19.4	15.4	23.2





#75

Di-n-butylphthalate

Concen: 1.422 ng/ul

RT: 18.04 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BM021716.D

Acq: 30 Jul 2019 04:52

Instrument :

BNA_M

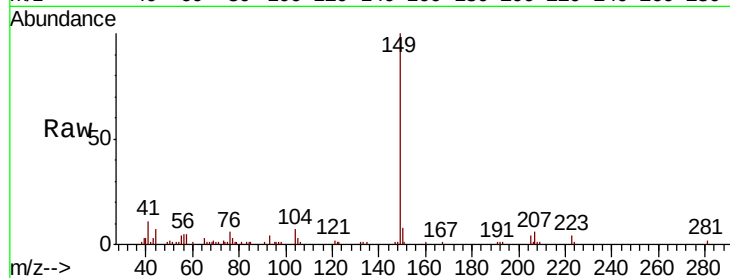
ClientSampleId :

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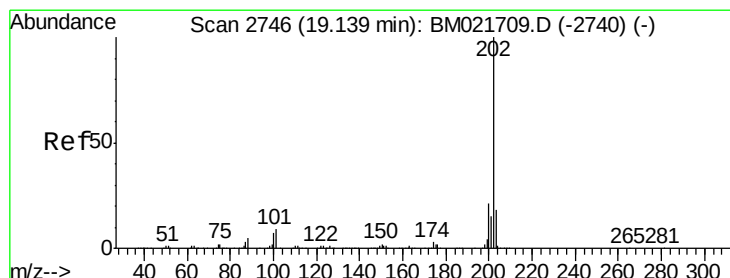
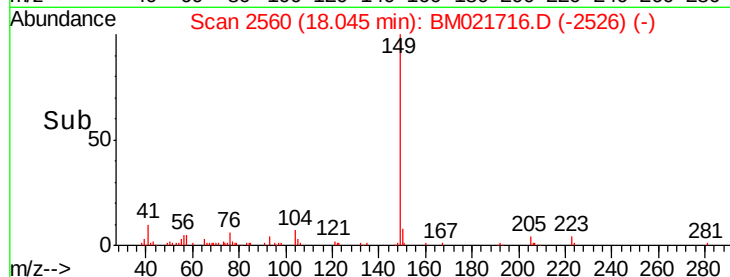
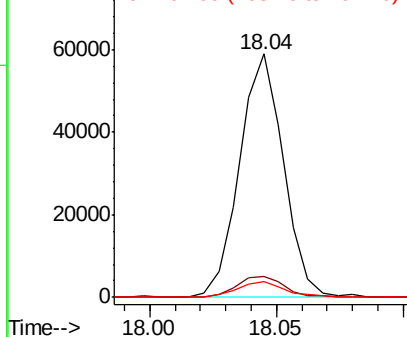
Tot Ion:	149	Resp:	71032
Ion Ratio	Lower	Upper	
149	100		
150	8.5	7.1	10.7
104	6.6	4.2	6.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 8.229 ng/ul

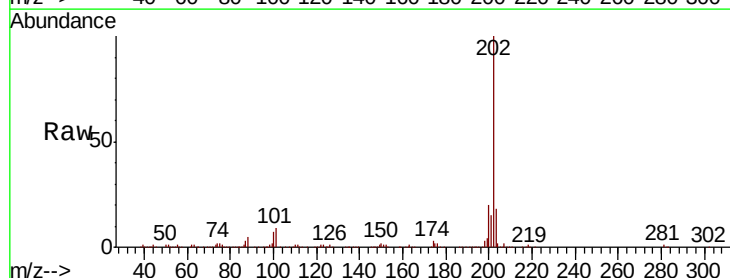
RT: 19.14 min Scan# 2746

Delta R.T. 0.00 min

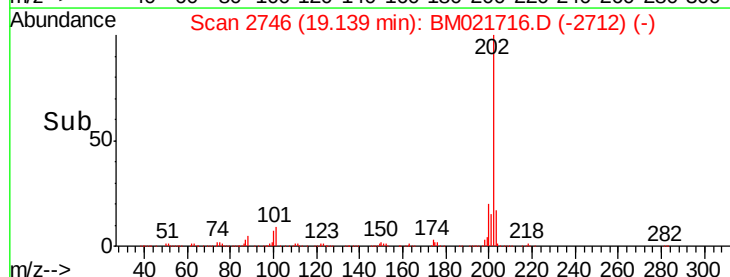
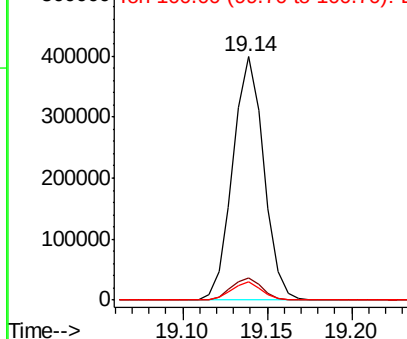
Lab File: BM021716.D

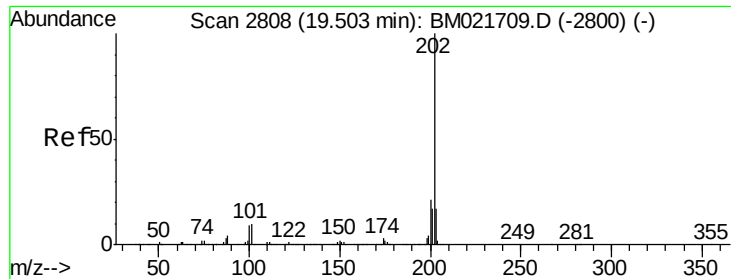
Acq: 30 Jul 2019 04:52

Tgt Ion:	202	Resp:	512455
Ion Ratio	Lower	Upper	
202	100		
101	9.3	6.7	10.1
100	7.3	5.1	7.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





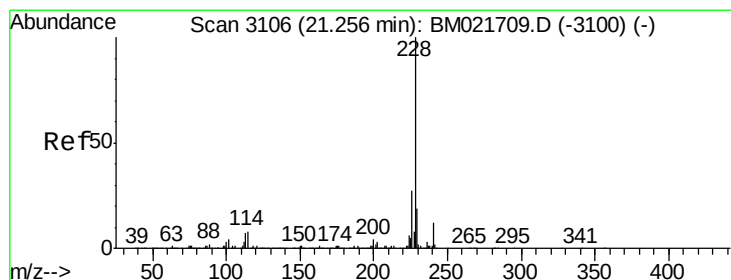
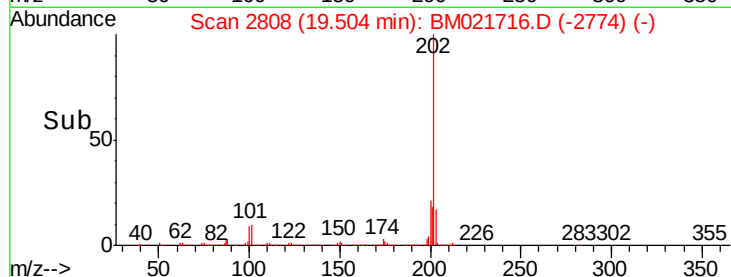
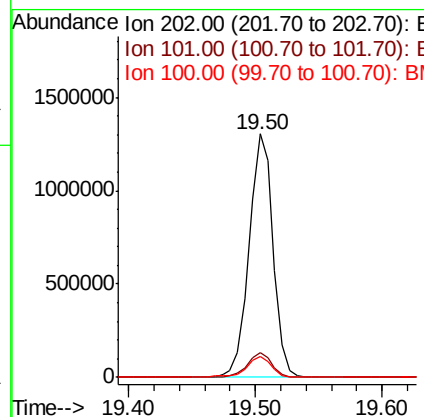
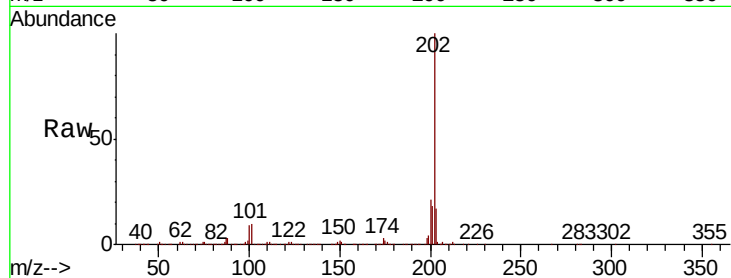
#79
Pvrene
Concen: 24.460 ng/ul
RT: 19.50 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.2	12.2
100	8.6	7.0	10.4

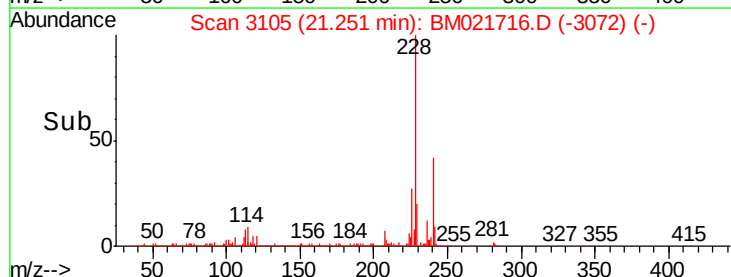
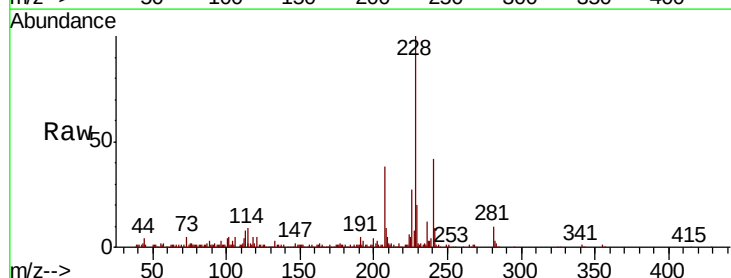
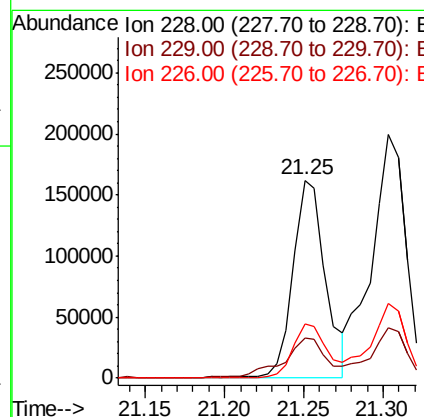
Manual Integrations
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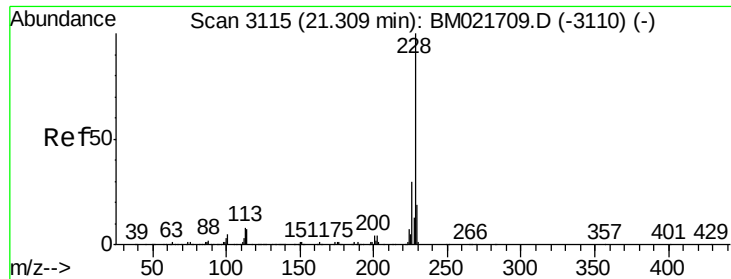
mohammad
7/30/2019 4:51:52 PM



#82
Benzo(a)anthracene
Concen: 3.360 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.7	23.5
226	27.5	21.4	32.2





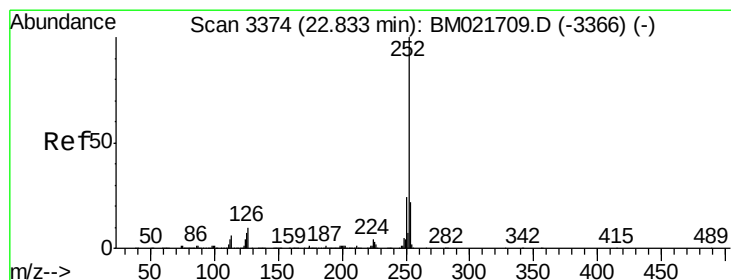
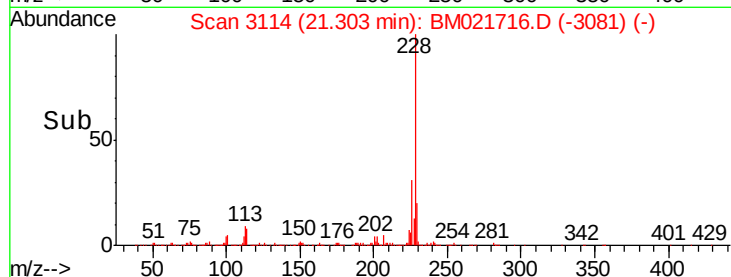
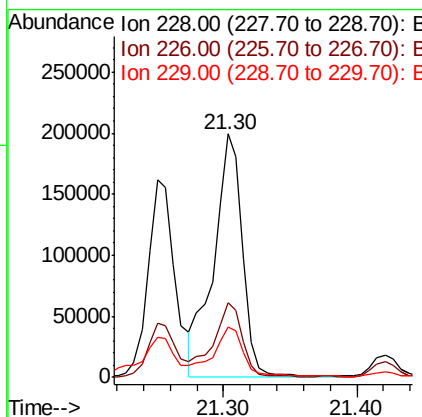
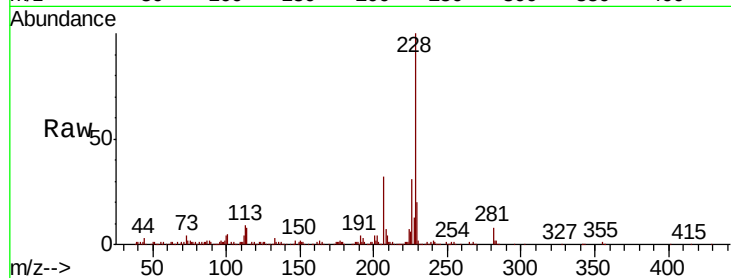
#84
Chrysene
Concen: 4.705 ng/ul
RT: 21.30 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.5	15.7	23.5

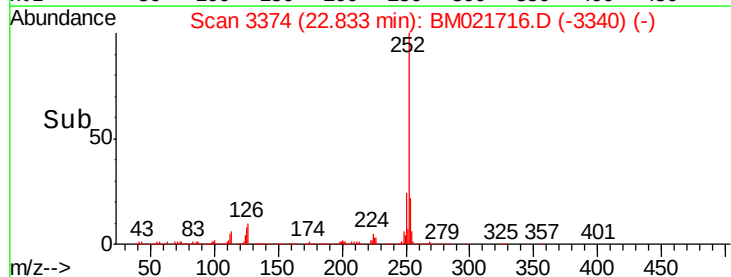
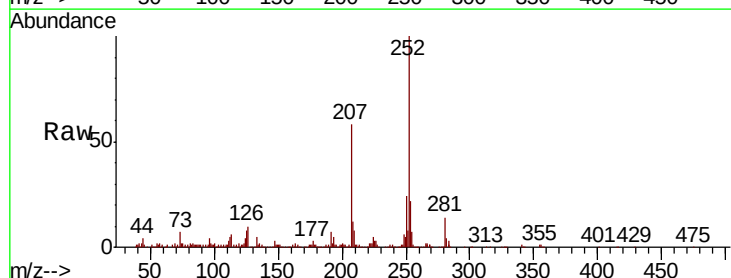
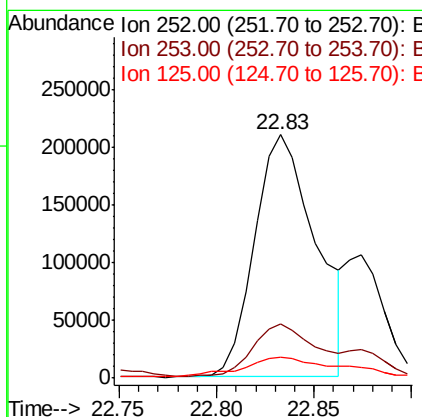
Manual Integrations
APPROVED

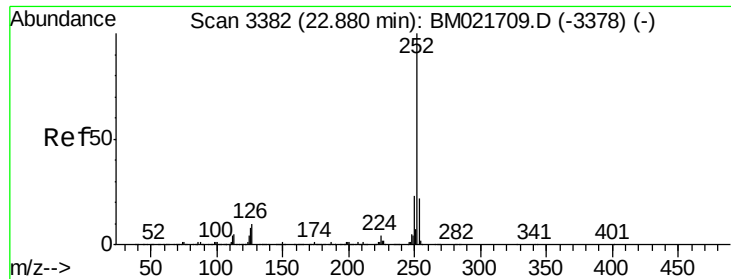
mohammad
7/30/2019 4:51:52 PM



#87
Benzo(b)fluoranthene
Concen: 6.133 ng/ul
RT: 22.83 min Scan# 3374
Delta R.T. 0.00 min
Lab File: BM021716.D
Acq: 30 Jul 2019 04:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	8.4	6.3	9.5





#88

Benzo(k)fluoranthene

Concen: 2.012 ng/ul m

RT: 22.87 min Scan# 3381

Delta R.T. -0.01 min

Lab File: BM021716.D

Acq: 30 Jul 2019 04:52

Instrument :

BNA_M

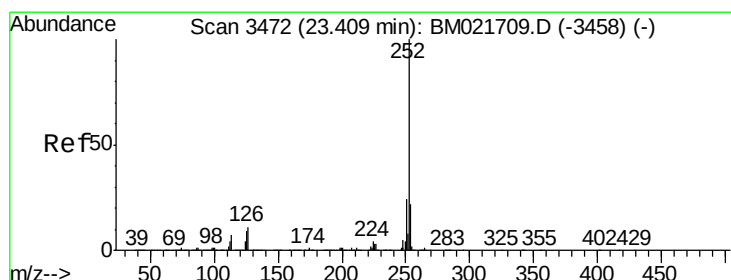
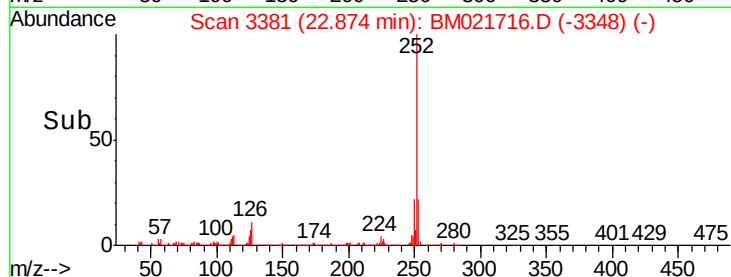
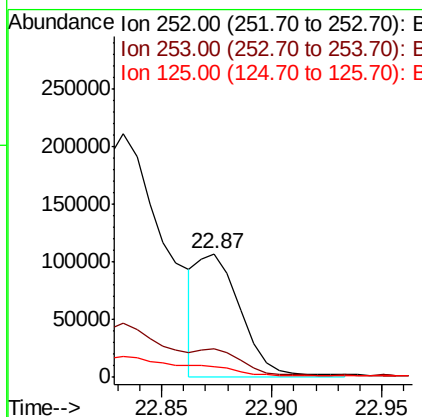
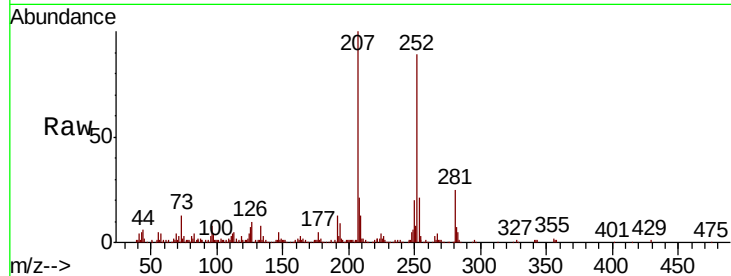
ClientSampleId :

A52F0MS

Tot Ion:	252	Resp:	146548
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	8.2	6.3	9.5

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 3.752 ng/ul

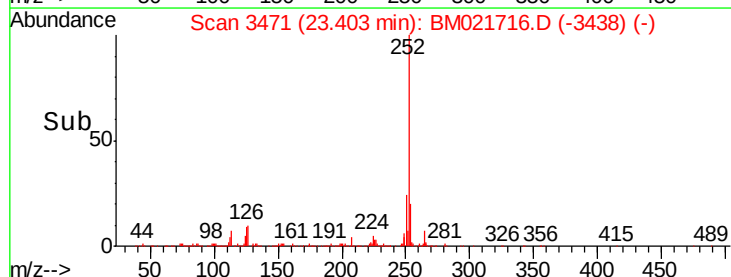
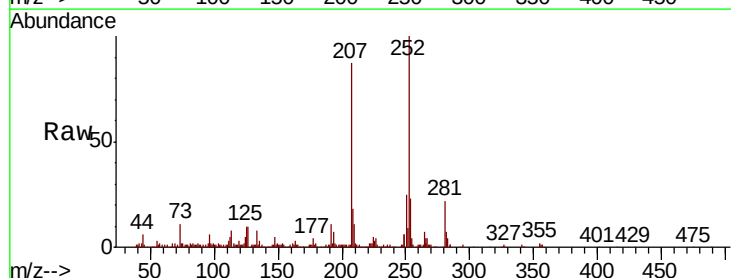
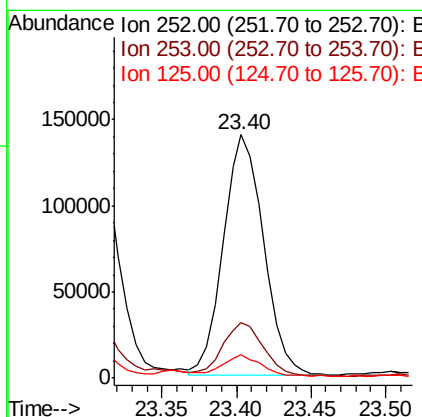
RT: 23.40 min Scan# 3471

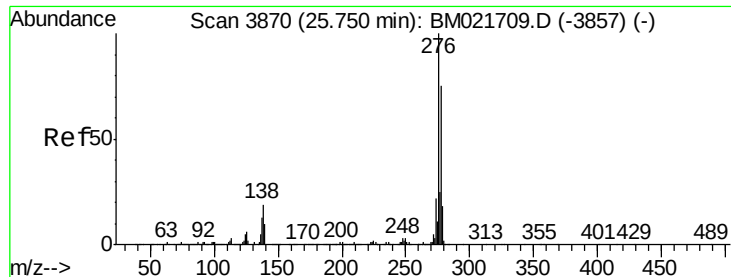
Delta R.T. -0.01 min

Lab File: BM021716.D

Acq: 30 Jul 2019 04:52

Tgt Ion:	252	Resp:	261649
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	9.7	7.0	10.6





#91

Indeno(1,2,3-cd)pyrene

Concen: 2.824 ng/ul

RT: 25.74 min Scan# 3869

Delta R.T. -0.01 min

Lab File: BM021716.D

Acq: 30 Jul 2019 04:52

Instrument :

BNA_M

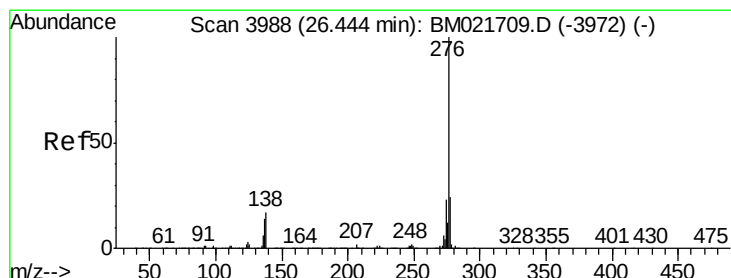
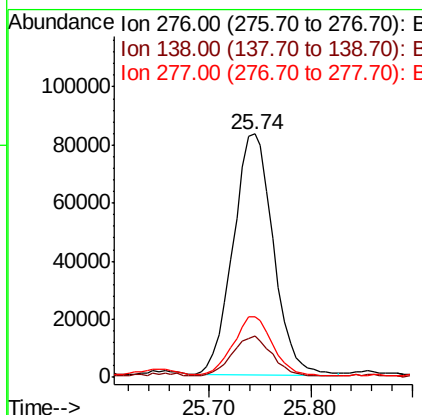
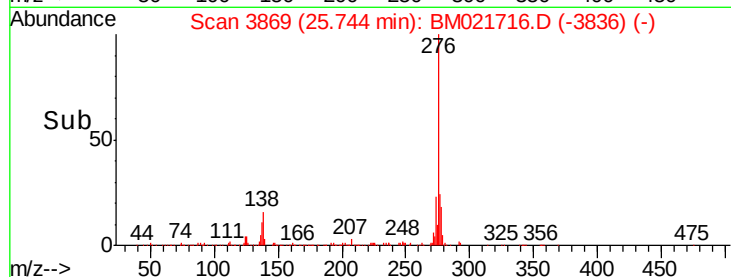
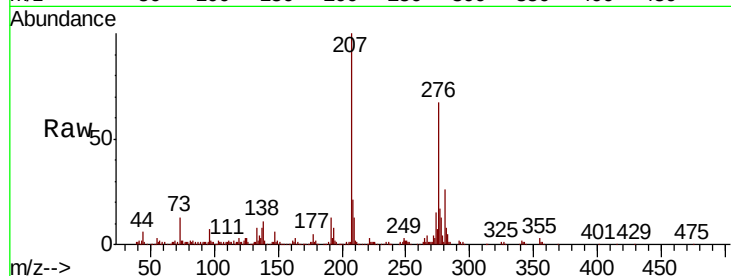
ClientSampleId :

A52F0MS

Tot Ion:	276	Resp:	228415
Ion Ratio	Lower	Upper	
276	100		
138	16.7	14.8	22.2
277	24.8	19.7	29.5

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 3.355 ng/ul

RT: 26.43 min Scan# 3986

Delta R.T. -0.01 min

Lab File: BM021716.D

Acq: 30 Jul 2019 04:52

Tgt Ion:	276	Resp:	225579
Ion Ratio	Lower	Upper	
276	100		
138	17.1	13.1	19.7
277	25.8	19.0	28.6

